

**TWO PAGE SUMMARY  
VENTURE CAPITAL PITCH**

**2020**



## RESUME

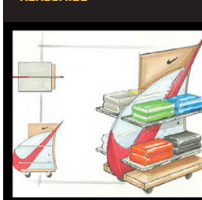


ADDOE PRERELEASE  
TEAM FOR  
PHOTOSHOP ON  
THE IPAD PRO 2

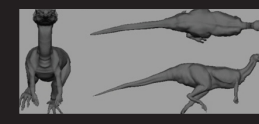


ARCHITECTURE  
FIRMS RANKED  
#1 AND #2  
GLOBALLY

## ACADEMICS



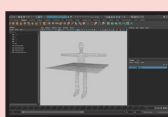
- DESIGN DEPT RANKED TOP 10 NATIONALLY
- UNDERGRAD DESIGN STUDENT BODY PRESIDENT
- ACCAD GRAD DEPT FOUNDED CGI IN 1980'S
- UNDERGRAD DESIGN THESIS: NIKE RETAIL DESIGN
- MASTERS THESIS: AUTORIGGING DINOSAURS IN PYTHON



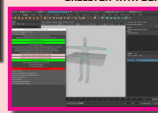
## SMART SKINNER RIGGING PIPELINE SOFTWARE:

- WROTE ENTIRE TECHNOLOGY BY MYSELF IN MEL AND PYTHON
- CUSTOMIZABLE UPON REQUEST: FEATURED AT SIGGRAPH AND GDC
- ADVISED BY ILM COFOUNDER AFFILIATE TO NOT SELL BELOW \$20 MILLION
- 3 ACQUISITION REVIEWS WITH 3 SEPARATE FORTUNE 100 COMPANIES
- RAISED INVESTMENT MONEY FROM BANKING ALUM OF HARVARD AND YALE
- FEATURED ON THE COVER OF A WORLDWIDE MAGAZINE
- TECH TURNED TO WORLDWIDE MAGAZINE'S INCLUDED ACCOMPANYING DVD
- 250 UNIVERSITIES ON 6 CONTINENTS RECEIVED PRODUCT

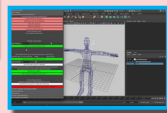
## 1. START WITH YOUR MODEL



## 2. GENERATE AND ALIGN SKELETON WITH GUI



## 3. ATTACH MODEL TO SKELETON AND PICK THE NUMBER OF SKIN INFLUENCES WITH GUI



## 4. REFERENCE IN ZBRUSH, NEXT-GEN, OR MOBILE PROXY WITH CORRECT SKIN WEIGHTS THAT ALIGNS WITH MODEL. TRANSFER WEIGHTS THEN INTERFERE. THIS HAPPENS ALL WITHIN GUI



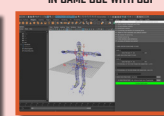
## 6. GENERATE ILM LEVEL CONTROL RIG INSTANTLY



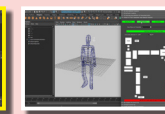
## 7. KEYFRAME CONTROL RIG WITH GUI BUTTONS



## 8. OPTIMIZE CHARACTER FOR IN GAME USE WITH GUI



## 5. TEST SKIN WEIGHTING WITH GUI POSER LIBRARY



## 6. EITHER

## 9. OVER 80 HOURS SAVED IN 15 MINUTES

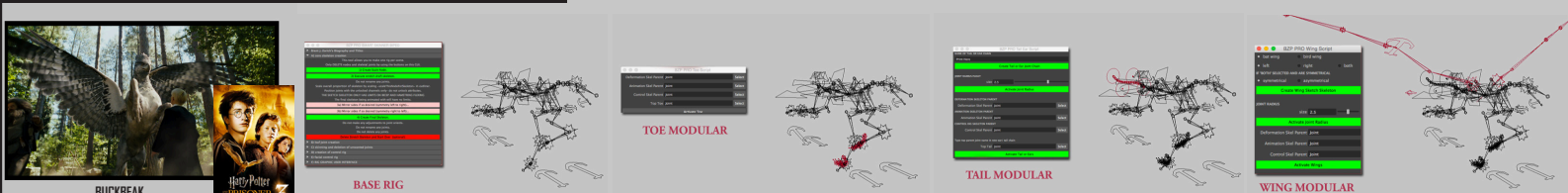


## MODULAR RIGGING ENGINEERING

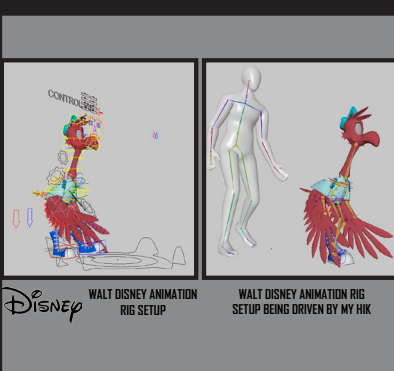


- 2745 NODES (TIMES 2 MINUTES PER NODE)
- 5490 MINUTES (90 HOURS)
- COMPLETED IN 5 MINUTES
- AT THE LEVEL OF ILM

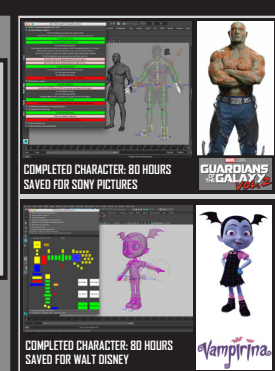
## MODULAR RIGGING ENGINEERING CASE STUDY: 90 HOURS OF WORK COMPLETED IN 5 MINUTES



## INVERSE HIK DESIGN FOR DISNEY PROTOTYPING



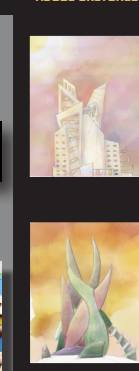
## RIGGING PROTOTYPING



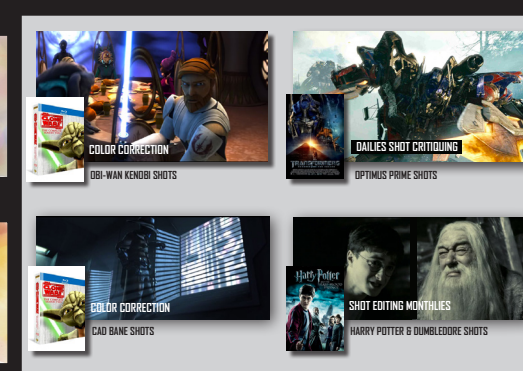
## PREVIOUS MODELING EXPERIENCE



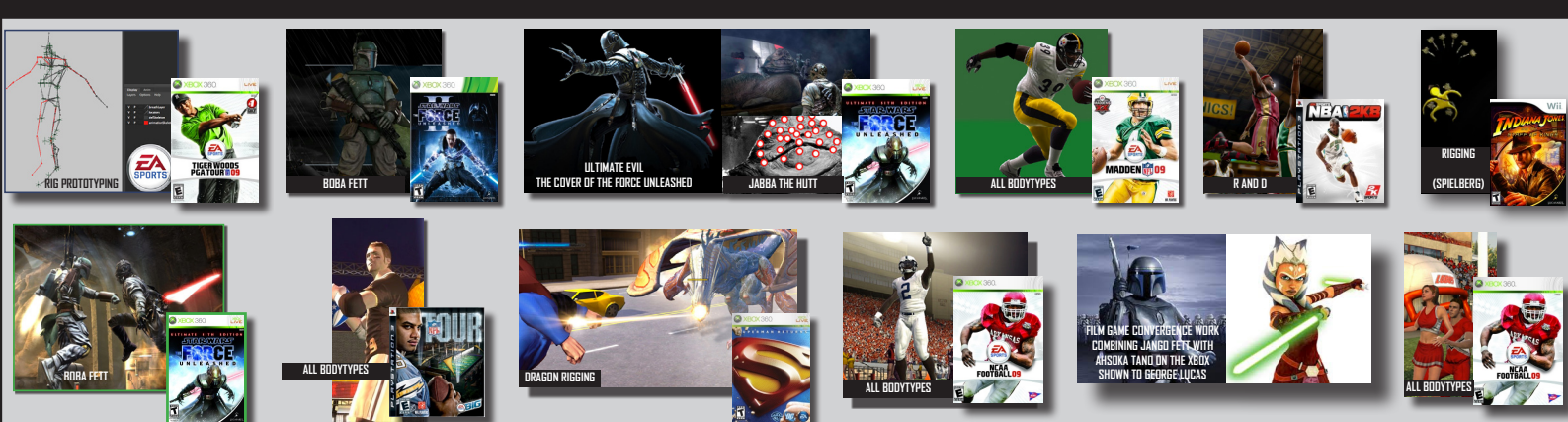
## ADOBE SKETCHES



## COLOR - MONTHLIES EDITING - DAILIES



## KEY PROFESSIONAL TECHNICAL DIRECTION





MADEN NFL  
MILESTONE  
ACHIEVEMENT

FIXED NON ACCURATE  
ARM PROPORTIONS:  
ENTIRE 10K ANIMATION  
LIBRARY RETARGETED  
TO MY RIG SETUP



NON ACCURATE



ACCURATE

**MY TECHNOLOGY IN THE CLASSROOM**  
(250 UNIVERSITIES ON 6 CONTINENTS RECEIVED PRODUCT)  
NOTE: SOPHOMORES IN COLLEGE ARE ABLE TO RIG CHARACTERS AT THE LEVEL OF ILM DUE TO MY TECHNOLOGY.

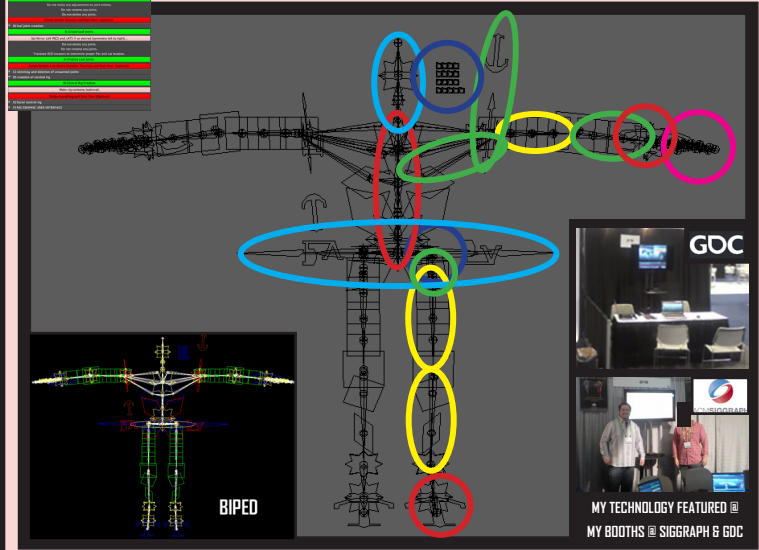
**BZP PRO**  
ENDORSEMENT FROM THE SIGGRAPH CHAIR REFERRING TO MY TECH AS "MINDBLOWING"

MTSU ACM SIGGRAPH (BZP) LUCASARTS  
Yesterday was mind blowing! Thanks to Brent Zorich for showing us the ropes!

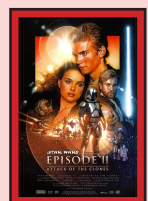
PRINCIPAL TECHNICAL ART FILM GAME CONVERGENCE



- SMART SKINNER SOFTWARE CONTROL RIG TECHNICAL INFLUENCES
- 80 HOURS OF LABOR COMPLETED IN 20 SECONDS (14K LINES OF CODE)
- MATCH HIGHLIGHTED COMPANY TO CIRCLED BODY PART



BI-MONTHLY BEST PRACTICES REVIEW COMMITTEE  
SELECTED BY FORMER CTO OF PETER JACKSON'S WETA DIGITAL



ILM BLOCK PARTY  
JANGO FETT



2K SPORTS



LUCASFILM  
ANIMATION



CHARACTERS EXPLORED AT LUCAS ANIMATION



LUCASARTS



EA GAMES



EA SPORTS



TITLES EXPLORED AS EA GLOBAL RIGGING ATTENDEE

THREE WORLDWIDE MAGAZINES



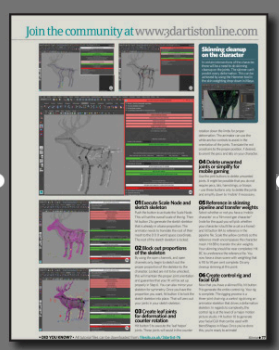
BIOGRAPHY FEATURED IN A WORLDWIDE MAGAZINE

There are few people in the 3D industry who can claim to have worked on bestselling EA games titles one year and hung out at Skywalker Ranch with Lucasfilm the next, but Brent Zorich is a man who can.



TECHNOLOGY I'VE WRITTEN INCLUDED ON WORLDWIDE MAGAZINE DISC

Created by one of the premiere riggers in the videogame and film industry, Brent Zorich, BZP Pro's Smart Skinner promises to rig and skin biped and quadruped characters in less than one hour.



TECHNOLOGY I'VE WRITTEN FEATURED ON THE COVER OF WORLDWIDE MAGAZINE

**Brent J. Zorich**  
Brent is a clever chap, having written his own Smart Skinner for Maya. On p76 he reveals how using the Smart Skinner for auto-rigging can save you hours of time.

**Maya rigging**  
Set up your characters easily and efficiently using Smart Skinner



# BONUS PAGES







INDUSTRIAL DESIGN

1998  
BACHELOR OF SCIENCE



THESIS: AUTORIGGING  
DINOSAURS IN PYTHON

2011  
MASTERS DEGREE



1997  
PRODUCT DESIGN &  
PITCH TO REEBOK CEO




1998  
BRAND & ARCHITECTURE  
INDUSTRIAL DES THESIS



ARCHITECTURE FIRM  
RANKED #2  
WORLDWIDE

1998-1999  
ARCHITECTURE



ARCHITECTURE FIRM  
RANKED #1  
WORLDWIDE

1999-2001  
ARCHITECTURE




ARCHITECTURE FIRM  
RANKED #1  
WORLDWIDE

1999-2001  
ARCHITECTURE



ARCHITECTURE FIRM  
RANKED #1  
WORLDWIDE

1999-2001  
ARCHITECTURE



The Mystery Dinosaur

2003-2005  
RIGGING



OUTREACH PROGRAM  
20 WEEK TRAINING SESSION  
WITH SUPERVISORS ON  
SHREK, MADAGASCAR,  
SHARK TALE, & FINDING

2005  
PARTICIPANT



2005  
RIGGING




2006  
RIGGING



2006  
RIGGING




2006  
RIGGING



RIGGING GLOBAL  
PRACTICES MEETINGS  
BETWEEN  
EAC - EA LONDON - EA ORLANDO

2007-2008  
BI-MONTHLY ATTENDEE



REDESIGNED RIGGING SYSTEM  
ON ELECTRONIC ARTS TOP TITLE.  
CENTRAL FOOTBALL TO BE  
BIOMECHANICALLY CORRECT

2007-2008  
RIGGING MILESTONE



2007  
RIGGING PROTOTYPING



2007  
LEAD RIGGING



2008  
LEAD RIGGING



2007  
RIGGING



2008  
RIGGING PROTOTYPING



2008  
LEAD RIGGING



2007  
RIGGING



2008  
LEAD RIGGING



RESEARCH AND  
DEVELOPMENT  
SHOWN TO  
GEORGE LUCAS

2008  
FILM GAME CONVERGENCE




INDUSTRIAL  
LIGHT & MAGIC

2008-2009  
WEEKLY ATTENDEE



2008-2009  
RESEARCHER



BEST PRACTICES  
REVIEW COMMITTEE  
(1 OF 10 MEMBERS)  
SELECTED BY FORMER CTO  
OF PETER JACKSON'S  
WETA DIGITAL

2008-2009  
BI-MONTHLY ATTENDEE



EXECUTIVE TRAINING

2008  
RECIPIENT



2008-2009  
LEAD RIGGING



2009  
RIGGING R & D



2008  
RIGGING R & D  
• SPIELBERG PROJECT •



2008  
COLOR CORRECTION



2008  
SHOT EDITING MONTHLIES




2009  
DAILIES SHOT CRITIQUING



INDUSTRIAL  
LIGHT & MAGIC


"BLOCK PARTY I"  
RIGGING SOFTWARE

2008-2009  
QUALITY ASSURANCE




GENERAL GRIEVOUS •  
ANAKIN SKYWALKER •  
AKSOKA TANO •  
JANGO FETT •  
KIT FISTO •

2008-2009  
RIGGING EXPLORATION



THE FORCE UNLEASHED  
JABBA THE HUTT •  
BOBA FETT •  
ULTIMATE EVIL •  
(THE COVER CHARACTER)


2008-2009  
RIGGING MILESTONES



GUARDIANS  
OF THE GALAXY  
VOL. 2

RIGGING  
PROTOTYPING

2017  
RIGGING



BZP PRO  
ACMSIGGRAPH  
GDC

2011-CURRENT  
CHIEF EXECUTIVE OFFICER  
• LLC BOOTH OWNER •




BZP PRO  
ACQUISITION  
3 ACQUISITION ATTEMPTS  
(1 OF THE COMPANIES WORTH  
OVER 120 BILLION)

2011-CURRENT  
CHIEF EXECUTIVE OFFICER



BZP PRO  
RIGGING SOFTWARE  
MOTION CAPTURE •  
FBX SCENE OPTIMIZER •  
POSE SPACE LIBRARY •  
PIPELINE & WORKFLOW •  
MODULAR RIGGING •

2011-CURRENT  
CHIEF TECH AUTHOR



BZP PRO  
PENETRATION  
250 UNIVERSITIES ON 6  
CONTINENTS RECEIVED  
PRODUCT

2011-CURRENT  
CHIEF EXECUTIVE OFFICER




BZP PRO  
rev ventures  
HARVARD  
BUSINESS  
SCHOOL  
ANGELS

2011-CURRENT  
CHIEF EXECUTIVE OFFICER  
• MENTORSHIP RECIPIENT •



BZP PRO  
FINANCES  
ADVISED TO NOT SELL  
LLC BELOW 20 MILLION DOLLARS  
RAISED MONEY FROM BANKING  
ALUM OF HARVARD AND YALE

2011-CURRENT  
CHIEF EXECUTIVE OFFICER



BZP PRO  
SONY  
PICTURES  
240 HOURS OF 4K LEVEL  
RIGGING COMPLETED IN  
70 MINUTES

2017  
RIGGING PROTOTYPE



BZP PRO  
Disney  
MY HIK SET APPLIED ON TOP  
OF DISNEY FEATURE ANIMATION  
SETUP

2019  
RIGGING PROTOTYPING




BZP PRO  
Disney  
Vampirina

2019  
RIGGING PROTOTYPING



Adobe

2019-CURRENT  
PRERELEASE TEAM



LECTURED AT  
OVER  
40 UNIVERSITIES

UNIVERSITY OUTREACH



3D Artist  
SURFACE SHADERS  
3D Artist  
COVER STORY

3 WORLDWIDE MAGAZINES

Maya  
Motion Builder  
MEL  
Python  
Photoshop  
ZEND (ILM's software)  
After Effects  
Pixar's Renderman  
HTML  
C++  
HIK

SOFTWARE SKILLS



# Industry insider Brent Zorich

Character technical director,  
Lucasfilm

Each issue, **3D Artist** finds out how the top people in the 3D industry got their jobs and what you need to know to get a foot in the door

## About the insider

**Job** Character technical director/lead rigger  
**Education** Master of Fine Art at ACCAD at The Ohio State University  
**Company website** www.lucasfilm.com  
**Personal website** www.brentzorich.com  
**Biography** Prior to immersing myself in the animation industry, I had worked for the top two architectural firms in the world. I pride myself on trying to be one team that does the best work, no matter what project. I push technology as far as I can on whatever team I am affiliated with.

**T**here are few people in the 3D industry who can claim to have worked on bestselling EA games titles one year and hung out at Skywalker Ranch with Lucasfilm the next, but Brent Zorich is a man who can. Zorich was part of a steering committee meeting for Lucasfilm on film/convergence. In addition, he was lead rigger on *The Force Unleashed: Ultimate Sith Edition*. On this title, he was working in the LucasArts division, looking at pipeline and storage optimisation and lead rigging on such characters as Jabba the Hutt and Boba Fett. Zorich was also dealing with convergence on all divisions from Lucasfilm to LucasArts, Lucasfilm Animation, Industrial Light & Magic and Lucasfilm Animation Singapore.

**3D Artist:** What did this role of working on convergence mean in practice?  
**Brent Zorich:** As a part of the senior staff, I wrote proposals to help set the direction for Lucasfilm Ltd as a company. In Singapore, not only was I part of research and development prior to my promotion and relocation to the home office in San Francisco, I

also worked on colour correction and compositing for *Star Wars: The Clone Wars*.

**3DA:** How did you get this job?  
**BZ:** I applied online and was hired after Lucasfilm Animation Singapore saw the great work I did on EA Sports' football franchise.

**3DA:** What kind of course did you do at university, or training did you do?  
**BZ:** At ACCAD at the Ohio State University, I did extensive research on the following topics: VRML; procedural animation; Pixar's RenderMan; motion capture. I also researched Wayfinding in real-time simulation (the subject analysed and improved upon was the game *Spider-Man The Movie*).

First of all, the Wayfinding tool was created out of VRML and theories worked on with an eminent scholar. I also studied the enhancement of realism in computer animation through the incorporation of biomechanics and fatigue (the subject analysed was *Shrek*). Next, I looked at rigging of prehistoric animals with my project-based thesis *Mystery Dinosaur work*. Finally, I looked at creatures evolving based on the ecosystem around them. Classes were also taken in digital still-life lighting and theatre lighting.

**3DA:** For today's generation of students, what is the kind of educational grounding they should be looking to undertake to get a job as a character animator, or is the entry level a less specific role?

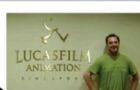
**BZ:** This is the way that I do it. I have a television next to my monitor. I watch *Harry Potter* and the *Prisoner of Azkaban* (the Buckbeak scene). If I am embarrassed to look at what is on my monitor then I'm not done, plain and simple. I am my own toughest critic and I have zero tolerance.

**3DA:** In your role as associate technical artist or lead rigger at EA Sports, what kind of work did that entail?



**2008-9** Star Wars: The Force Unleashed, Ultimate Sith Edition  
**2008-9** Indiana Jones and the Staff of Kings  
**2008** Star Wars: The Clone Wars  
**2008** EA Sports MMA  
**2007-8** NFL Tour  
**2007-8** NFL Head Coach 09  
**2007-8** NCAA Football 09  
**2007-8** Madden NFL 09

**2007** Tiger Woods PGA Tour 09  
**2007** Madden NFL 08  
**2007** NCAA Football 08  
**2007** College Hoops 2K9  
**2007** NBA 2K9  
**2006** College Hoops 2K7  
**2006** Superman Returns: The Videogame  
**2005-5** The Mystery Dinosaur for The Discovery Channel



● Character rigging on SW Force Unleashed  
● Brent at Lucasfilm Animation  
● NCAA college football from EA



● Tiger Woods PGA Tour 09  
● Character work on NFL Tour  
● Indiana Jones and the Staff of Kings

● Artwork from SW: TPU Ultimate Sith edition  
● College Hoops 2K7  
● The Ultimate Edition in full

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● College Hoops 2K7  
● The Ultimate Edition in full

● Artwork from SW: TPU Ultimate Sith edition  
● College Hoops 2K7  
● The Ultimate Edition in full

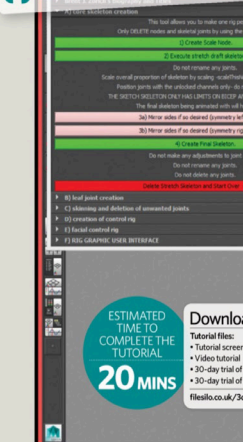
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● College Hoops 2K7  
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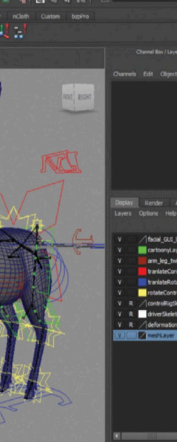
## Questions & answers

Our experts answer your technical quandaries for the most popular 3D programs. Simply email your questions to: [3dartist@imagine-publishing.co.uk](mailto:3dartist@imagine-publishing.co.uk)



**ESTIMATED TIME TO COMPLETE THE TUTORIAL**  
**20 MINS**

**Download**  
Tutorial files:  
• Tutorial screenshots  
• Video tutorial  
• 30-day trial of Biped  
• 30-day trial of Quade  
[filesilo.co.uk/3dartist-76](http://filesilo.co.uk/3dartist-76)



**3D Artist**  
Practical preparation for the 3D community  
Discover the techniques to make textures shine  
GET THE RIGHT SOFTWARE  
Winter Landscape  
Heavy Weapons

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## Auto rigging with Smart Skinner

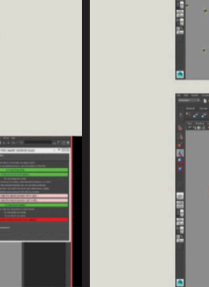
How can I rig and skin a character more efficiently to save billable hours - typically days or weeks?



This tutorial is a breakdown of how the Smart Skinner is used in the production environment to save days, if not weeks, on the rigging and skinning process of a character. This step-by-step process goes over the basics of the software and will rig and skin a character of a deer in a matter of minutes. When I worked in production for the biggest companies on the planet, it would not be uncommon that from a billable standpoint, a development director might give me two weeks to start, execute, and complete a rigged character. This caused headaches in the production setting as often I was repeating the same task on different proportions without an effective way of cutting down hours. At Lucasfilm, I was looking through the assets of the main characters such as

Ahsoka, Jango Fett and General Grievous extracting their key attributes and incorporating them into a super rig that could be benchmarked for the company. At EA Sports in the late 2000s I designed the rigging system used for Central Football for titles such as Madden NFL and NCAA. This Smart Skinner software I have written is a culmination of techniques from these top companies incorporated into a tool that is affordable and easy to use. The character will be completed through a process of firstly executing a sketch skeleton to obtain proper proportion. Then, the character will be blocked out within the mesh to ensure the joint positions are in the correct spot. The Smart Skinner will create the leaf helper twist joints to assist with the proper deformation required to make the rig

production quality. Then, the animator specifies whether or not he wants the character to be a 'film next-gen character' or a 'mobile character'. From there he will reference in a pipeline that enables auto skinning, transferring the skinning weights, unreference the pipeline skinning file, and making an entire control rig at the push of a button. The end result will deliver a character able to be animated out of the box that is top-of-the-line production quality ready for either film or game.



## The community at [www.3dartistonline.com](http://www.3dartistonline.com)

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Discover the techniques to make textures shine  
GET THE RIGHT SOFTWARE  
Winter Landscape  
Heavy Weapons

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Born on December 6th, 1974, after Brent J. Zorich graduated St. Charles Preparatory High School in 1993, he went into the industrial design department, ranked in the top five nationally, at The Ohio State University, was a member of Sigma Alpha Epsilon fraternity, and graduated as the undergraduate design school student body president with a thesis project rebranding Nike retail. In undergrad, Brent worked in store sales and visual merchandising for Tommy Hilfiger. In 1997, as a young entrepreneur, Brent mocked up a prototype industrial design concept of a Reebok Golf Sandal incorporating the brand of Greg “The Shark” Norman, and presented the concept to the office of the CEO of Reebok, Paul Fireman, for production. While a student in the design department, Brent had a summer design internship doing illustration work for a nationally ranked luxury SUV design facility named Custom Coach in Columbus, Ohio. There he worked on transportation design for their client, John McConnell, owner of the NHL Columbus Blue Jackets (note: other clients of Custom Coach included John Madden’s “The Madden Cruiser”; Deion Sanders; President George H. Bush; and Minister Louis Farrakhan- The Leader of the “Nation of Islam”- who Brent met in person while on site). Afterwards, Brent completed an internship doing corporate interior space design at Continental Office Furniture (Herman Miller) in Columbus, Ohio. Once graduated from The Ohio State University, Brent worked at the architectural firm ranked number 2 in the world, NBBJ, as a post graduate architectural intern with the client being the “Republic of China”. He was fortunate enough to be in several “crit” sessions while on The Beijing Hotel for The Republic of China with the Chairman of Global NBBJ, Friedl Bohm. Brent then moved to Atlanta, Georgia, to work for Gensler, the architectural firm ranked number 1 in the world as an interior architect, focusing on retail design for Gensler Fortune 500 clientele. These projects included both design documentation and construction documentation for one of Gensler’s premiere clients: Volkswagen. Brent was lucky enough while working in the studio to attend a firm practices session and meet and greet with M. Arthur Gensler, considered by many to be the most powerful architect on the planet. The key lesson he learned from Mr. Gensler was to be humble in business dealings. Arrogance is the quickest way to lose a client.

He left Atlanta and went back to the Ohio State ACCAD program, where computer graphics were invented in the 1960’s by Professor Emeritus Charles Csuri, to complete a masters in computer graphics/ technical direction. Note: key alum of this program had made the liquid alloy T-1000 in “Terminator 2: Judgement Day” starring Arnold Schwarzenegger; the velociraptors in the original 1993 “Jurassic Park” directed by Steven Spielberg; the founder of FOX Blue Sky Studios who created “Ice Age”, “Horton Hears a Who”, and “The Peanuts Movie”; and the Chief Technology Officer of PIXAR Animation Studios. Of the 50,000 plus students at The Ohio State University, only approximately ten to fifteen students had security access to this ACCAD graduate program building. Graduate admittance into this program is determined by portfolio, and professional and academic achievement.

During Brent’s tenure at ACCAD, the facility received a research grant through Brave New Pictures to develop a nationally televised one hour documentary on a newly discovered nano tyrannous dinosaur in Hell Creek, Montana. This one hour documentary, entitled “The Mystery Dinosaur”, aired prime time on both The Discovery Channel and The Science Channel. Brent was key in both modeling and rigging on this feature. As apart of this grant, ACCAD was in full collaboration with The Burpee Museum in Rockford, Illinois, who were having weekly discussions with this ACCAD research group on physiology, anatomy, and biomechanics. Paleontologists from this museum had worked with Dr. Robert Bakker who was the Steven Spielberg paleontologist consultant on Jurassic Park. ACCAD alum of this project went on to work at studios such as PIXAR, Walt Disney Feature Animation, EA Sports, Sony Pictures Imageworks, Dreamworks Animation, and Activision; with Brent ending up at Lucasfilm. The ACCAD producer on this feature was the former department head of computer animation at The Ringling College of Art and Design. Note, Brent’s graduate thesis was entitled “Rigging A Prehistoric Animal” where he automated the rigging process in python.

Finally in graduate school, he was in a DreamWorks SKG Outreach program being trained by Dreamworks supervisors in animation; and was also fortunate enough to be in a lecture session with Jeffrey Katzenberg. During the lecture, Mr. Katzenberg was asked what the most key role was in the production pipeline; his response was “the rigger.” Brent altered his CGI focus from modeling to rigging upon hearing that. This outreach program duration was 20 weeks, with supervisors in the industry who were currently working at DreamWorks Animation bringing such previous film experience to the ACCAD students as “Spider-Man 2”, “Finding Nemo”, “Shrek”, “Shark Tale”, and “Madagascar”. Brent was also asked to give a lecture, while as a student, to the College of the Arts at Ohio State student body at the Wexner Center for the Arts. There were a total of seven guest lecture supervisors from the program that went into extensive CGI techniques with each of the students on an individual basis. This gave Brent access to a professional pipeline in early development in his computer animation career that is still applicable to the types of work he is doing today. In these sessions, one of the people that he shadowed was the DreamWorks Animation SKG Rigging Supervisor that went over advanced rigging techniques, and first introduced Brent into the power of programming and scripting for automation. This particular supervisor, was the lead on Finding Nemo from PIXAR and who first taught Brent about “proxy rigging.”

Afterwards, Brent went on to work in San Francisco, California, on Take 2 Interactive “NBA 2K”, working with the data of Shaquille O’Neal (TTWO market cap September ‘18: 15.2 billion) (note: they are also the makers of the top selling IP on the planet, Grand Theft Auto); and then on to Orlando, Florida, for EA SPORTS, where he worked on “Superman Returns”, “Tiger Woods PGA Tour”, and as a rigging technical director lead on “Madden NFL” (which is the top grossing video game in North America) (EA market cap September ‘18: 34.8 billion). While on Madden NFL, Brent was key in breaking new ground in the character setup aspect of the digital football players by working with the Central Football leads in changing the player bodies to be anatomically correct. Previously, the digital players in Madden NFL and NCAA Football had elongated arms to exaggerate a more Disney style art direction. Brent played a key role in converting the players of the top selling title in North America to bio mechanical accuracy. Lastly on Madden NFL, Brent was key in adding 15 to 20 additional leaf joints to the animation rig to add hyper realism in regards to bicep and hamstring flexing. At EA SPORTS, Brent was in bi-monthly global meetings with EA VANCOUVER, EA ORLANDO, and EA LONDON, analyzing and recommending improvement on rigging assets of characters for ELECTRONIC ARTS top titles including “FIFA”, “NHL”, “NBA Live”, “Facebreaker”, and “EA Harry Potter.” In these meetings, best practices with the ELECTRONIC ARTS BODYSHOP, global technology, global work flow, and global tools were explored.



Brent left the United States and moved to Singapore to become senior/ executive trainee/ best practices review committee of Lucasfilm, working with the former Chief Technology Officer of Peter Jackson's Weta Digital in Wellington, New Zealand (The Lord of the Rings). There at Lucasfilm, he worked on "Star Wars" intellectual property (showing work directly to George Lucas), "Indiana Jones IP" for Steven Spielberg, was brought in to work on monthlies prep on "Harry Potter and the Half Blood Prince" (sequence includes Harry Potter and Professor Dumbledore), dailies shot critiquing on "Transformers Revenge of the Fallen" at Industrial Light and Magic research and development meetings (shots include Devastator and Optimus Prime), and color correction work on "Star Wars The Clone Wars" with shots including Cad Bane and Obi-Wan Kenobi, while also frequenting the Skywalker Ranch for research in Marin County in San Francisco, California. The Best Practices Review Committee was a hand selected panel by the former Chief Technology Officer from Weta Digital consisting of approximately ten people. Brent had a strong vocal presence in these meetings where the goal of each was to set the digital standard in modeling, rigging, and rendering, for LucasArts, Lucasfilm Animation, and Industrial Light & Magic. While in Singapore, before being promoted and relocated to the home office in San Francisco, Brent was in a small research group of about six people focusing on film game convergence. In that group, the graphics researchers optimized an environment that was inhabited by Master Yoda from "Star Wars: The Clone Wars", as well as Anakin Skywalker's Jedi Apprentice, Ahsoka Tano, from that same series. Brent combined the underlying engineering rigging aspects of the young Jedi with Jango Fett from ILM's Oscar Nominated "Star Wars Episode 2: Attack of the Clones." The team used those assets to create a playable level in the Unreal Engine on the XBOX 360, which was shown to Mr. Lucas in Singapore. Before this film game convergence research began, Brent was doing additional exploration in the Autodesk Maya files of such Star Wars characters as General Grievous, Kit Fisto, Anakin Skywalker, Padme Amidala, Jar Jar Binks, and a few others. He was analyzing their character technical direction and looking for ways to improve the control set ups to build out universally within Lucasfilm. In San Francisco, executive training within Lucasfilm Corporate was administered to Brent by the consultancy Engaged Leadership LLC. One of his personal highlights in addition to creating the character technical direction on Jabba the Hutt and Boba Fett was setting up the character code named Ultimate Evil, who was the cover character of Star Wars The Force Unleashed Ultimate Sith Edition. For both spinal research of Jabba as well as biomechanics of Boba he worked with the library of the Skywalker Ranch frequenting the facility in Marin County. Brent's initial goal was to become a creative studio executive at Lucasfilm. Worldwide published magazine, 3D ARTIST MAGAZINE, did a two page worldwide feature on Brent at Lucasfilm. Note: In 2009, Brent was a workplace stalking victim that led to temporary medical injury causing him to leave Lucasfilm with the perpetrators reported to the FBI.

Brent parted ways with California and Singapore and cofounded an animation software company in Columbus, Ohio, named BZP Pro with investors in the banking industry that are alum of Harvard and Yale from Chicago, Illinois. BZP Pro is engaged with accelerator REVI VENTURES. The LLC had booth representation at both The Game Developers Conference (GDC) and Siggraph. The animation rigging software he wrote, called The Smart Skinner, had a university penetration of 250 universities on 6 continents (due to BZP Pro's partnership program), made the cover of a world wide magazine, and was under acquisition review several times; the last time working with a Harvard investment banker formerly from Goldman Sachs. Brent was advised to not sell the formula below 20 million dollars by an affiliate of one of the founders of ILM. With the investment banker, they were in acquisition negotiations with a Silicon Valley headquartered company worth over 100 billion dollars. Note, (Mark Zuckerberg) FACEBOOK LLC, according to reports, was at approximately 85 schools pre "Series A" investment; BZP Pro outpenetrated FACEBOOK in university acceptance in the pre "Series A" investment stage with a "freemium" business model similar to FACEBOOK LLC: "free-to-play" for collegiate users with sales through "add-ons".

The initial marketing strategy was that universities would receive the "freemium" software for three years to be fully integrated into their curriculum. Then, upon the fourth year of the universities requesting an upgrade, they would be charged an annual subscription thereafter; with students in the classroom being able to purchase additional individual licenses. The Smart Skinner automates 80 hours of advanced character technical direction into about 20 minutes of labor with minimal cleanup at the technical level of the companies Brent was previously employed, including Industrial Light and Magic's Oscar winning Block Party Rigging Software. Upon purchase, The Smart Skinner perpetual license is active for the current year of Autodesk Maya. When Autodesk Maya upgrades annually, the customer would need to repurchase a new Smart Skinner license. BZP Pro froze the business operation when they were under the last acquisition review with the Silicon Valley company worth over 100 billion dollars and is currently in the process of relaunching. NOTE: Brent took an extended leave of absence to take care of his terminally ill mother who passed from pancreatic cancer, as well as make his father's house ADA compliant who is wheelchair bound with multiple sclerosis. Afterwards, while also updating the Smart Skinner pipeline and adding a pose library, Brent completed rigging prototyping work for both Sony Pictures as well as Walt Disney Feature Animation; working with his partner studio in Los Angeles. Most recently, Brent went under NDA with ADOBE, INC (Market Cap November '19: 142 billion) where, as an illustrator, was beta testing their design ecosystem (Photoshop) for APPLE's IPAD PRO 2 (APPLE Market Cap November '19: 1.17 trillion).

While co-operating BZP Pro with his partners, Brent will be able to continue to work on visual effects and video game blockbuster titles [see consulting rates], and is hopeful to pursue additional advanced degrees in Business and Engineering as relates to Entertainment Technology. He is also in the beginning stages of conceptualizing more potential venture funded IP. Brent looks forward to lengthening his technical direction and entrepreneurial portfolio. For fun, Brent enjoys going to four star steakhouse bars to watch ESPN; lecturing at universities around the country on the topic of video game and visual effects development; and at Starbucks, daily, sketching Frank Gehry influenced deconstructive buildings on his iPad Pro 2 (with APPLE Pencil), or Samsung Galaxy Note 10 Plus (with the Samsung S-Pen), using the ADOBE Design Ecosystem software. He is a fan of Ohio State Football, as well as The Chicago Bears, and affiliations of Michael Jordan. His favorite movies are Spider-Man 2, The Lord of the Rings, Harry Potter and the Prisoner of Azkaban, The Fantasia Series, and Star Wars Episode III: Revenge of the Sith. His favorite video games are Lord of the Rings: The Two Towers, Harry Potter and the Prisoner of Azkaban, and Battlefield II, all by Electronic Arts for the XBOX; Spider-Man, and God of War for the PlayStation 4; and The Batman Arkham Series by Warner Bros Interactive. His favorite music acts are Pink Floyd, Seal, U2, Frank Sinatra, and Metallica. Brent's eventual goal would be to be a Chief Visual Officer at a major animation, visual effects, or video game studio similar to someone like Doug Chiang or John Knoll, with Mark Pincus potential: who he had the pleasure of having a brainstorming session. He looks to the creative visual guidance of Peter Jackson and JK Rowling work for inspiration. Brent hopes to write a memoir one day on his own reflections and professional practices stemming from portfolio experiences as well as collegiate lecturing.





Search

Salaries &gt; Principal Technical Artist



### Principal Technical Artist Salaries

Data based on fewer than 20 profiles



### How much does a Principal Technical Artist make?

A Principal Technical Artist earns an average of \$223,863, ranging from \$172,064 at the 25th percentile to \$263,560 at the 75th percentile, with top earners (the top 10%) earning more than \$319,313. Compensation is derived from fewer than 20 profiles, including base salary, equity and bonus.



### Salaries for Principal Technical Artists

## TOTAL COMPENSATION

25TH PERCENTILE	\$172,064
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75TH PERCENTILE	\$263,560
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TOP EARNERS \$319,313

**BREAK DOWN: AVERAGE**

BASE	\$223,863
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Last updated: May 2nd, 2018.

## SECTION NAVIGATION

## COMPENSATION

TALENT

## JOBS

## Talent

What skills do you need as a(n) Principal Technical Artist?

Do you meet the bar? Principal Technical Artists tend to know the following skills. Check out individual skills to view our evaluations and insights, along with similar skills and a number of skill building learning opportunities to expand your own potential.

Maya (100%)

🔧 Video Games (90%)

 **Game Design (80%)**

 mel (80%)

Gameplay (80%)

[Show more](#)

### What degrees do Principal Technical Artists hold?

60% of applicants have a Bachelor's Degree. 42% have no degree.



Bachelor's Degree (60%)



Undisclosed (42%)

How long have Principal Technical Artists worked?

40% employees have 10 to 20 years of experience. 20% have 20 or more years of experience. 30% have 5 to 10 years of experience. 10% have 2 to 5 years of experience.

50%

40.0%