

Brent R. Williams

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BrentRWilliams.com

SUMMARY OF QUALIFICATIONS:

- Has a diverse background in interdisciplinary, international, and teamwork-based environments.
- Has years of programming experience in multiple languages and libraries.

EDUCATION:

California Polytechnic State University (Cal Poly), San Luis Obispo

*Bachelor and Master of Science Degrees, Computer Science
with a Minor in Media Arts and Technologies*

GPA: 3.68

Thesis: Moxel DAGs: Connecting Material Information to High Resolution Sparse Voxel DAGs

COMPUTER SKILLS:

Languages and Libraries: Python, C/C++, Objective-C, Metal, Java, OpenGL, HTML, CSS

Software: Maya, Photoshop, Premiere, After Effects, Word, Xcode, Pages, Numbers, Keynote

RELEVANT WORK EXPERIENCE:

- **Instructional Student Assistant, Cal Poly** Jan. 2015– June 2015
 - Assisted faculty teaching Computer Animation, and Parallel Programming for Computer Animation in evaluating student performance, reviewing lecture material, creating assignments, and carrying out lab activities.
- **Graphics and Games Technology Evangelism Intern, Apple** June 2014 – Sep. 2014
 - Promoted the understanding of iOS graphics technologies by designing and implementing example code in Objective-C and Metal.
 - Assisted in the implementation, enhancement and promotion of high performance mobile games.
- **Spectrum Intern, Sony Pictures Entertainment** Feb. 2014 – May 2014
 - Developed software to assist in the creation, management, and observation of production-related data in Python.
 - Assisted in the administrative and technical aspects of visual effects production.
- **Quality Assurance Intern, Symantec** June 2012 – Sep. 2012
 - Designed and implemented performance testing in Python.
 - Automated test cases for Symantec's Data Loss Prevention team.
 - Identified software errors and collaborated with senior engineers to develop workarounds.
- Selected Courses: Computer Animation, Real-Time 3D Computer Graphics Software, Digital 3D Modeling & Design, Advanced Rendering Techniques, Media Arts & Technologies: Cinematic Process

ACTIVITIES/CERTIFICATIONS:

- President of the Cal Poly Beach Volleyball Club September 2013 - June 2015
- Member of The Association for Computing Machinery
- American Red Cross, CPR/First Aid Certified (exp. 8/25/15)