

JIMMY BRIGGS

Ithaca, NY | jimmybriggs.net | www.linkedin.com/in/jimmy-briggs

WORK HISTORY

HEAD TEACHING ASSISTANT, CORNELL UNIVERSITY, ITHACA, NY

September 2016 – Present

- Managed large team of 40 TAs to teach 400 students.
- Ran office hours, grading, team meetings, review sessions.
- Tracked and analyzed student and TA data to shape policy.
- Received excellent (4.6/5) average rating from students.

RESEARCH ASSISTANT, CORNELL UNIVERSITY, ITHACA, NY

June 2016 – Present

- HCI project integrating augmented reality and 3D printing.
- Built large C# framework for real-time rendering and UI.
- Integrated complex network of hardware and software components into cohesive, interactive system.

RESEARCH AND DEVELOPMENT INTERN, BLUE SKY STUDIOS, GREENWICH, CT

June 2017 – August 2017

- Built node-based material designer for production use in animated film.
- Met frequently with materials artists to gather feedback about iterative designs.
- Wrote compiler to update material files for compatibility with new tool.

SENSOR SYSTEMS INTERN, BBN TECHNOLOGIES, CAMBRIDGE, MA

Summer 2013, Spring 2014, Summer 2015

- Parallelized code across machines and cores for 40x speedup.
- Automated testing and met an aggressive testing schedule.
- Integrated requirements-management system into workflow.

DRAGON RESEARCH INTERN, NUANCE COMMUNICATIONS, BURLINGTON, MA

May 2013 – August 2013

- Built full-stack documentation server in Django/Apache/HTML
- Automated python documentation generation with Sphinx.
- Created and integrated build tools into large makefile tree.

EDUCATION

M.S. COMPUTER SCIENCE, CORNELL UNIVERSITY, MAY 2018

GPA: 4.0. Focus on Computer Graphics, graduate minor in Mathematics. Excellence in Teaching Award (Discrete Mathematics)

B.A. COMPUTER SCIENCE, CORNELL UNIVERSITY, MAY 2016

GPA: 3.85, Dean's List, concentration in Computer Graphics. Excellence in Teaching Award (Computer Graphics)

PURE AND APPLIED MATHEMATICS, BOSTON UNIVERSITY, 2011-2013

GPA 3.75, Dean's List. Presidential Scholarship. Transferred out December 2013.

SKILLS

Computer Languages: Java, C++, C#, Python, C, Haskell, OpenGL

Human Languages: English (Native), Spanish (Basic), Korean (Basic)

Expertise: Computer Graphics, Applied Math, HCI, Real-Time Systems