LAUREN HASTINGS

CONTACT

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EDUCATION

University of Central Florida, Orlando FL — **August 2014 to December 2018**
B.S. in Computational Mathematics, Minor: Computer Science — *GPA:* 3.65/4.0

- *Courses:* Algorithms & Data Structures, Object Oriented Programming, Compilers, Computer Architecture, Computational Theory, Discrete Mathematics, Graph Theory, Statistical Methods & Theory, Calculus III, Ordinary Differential Equations, Abstract Algebra, Technical Writing & Presentation, Engineering Leadership
- *Organizations:* Burnett Honors College, National Center for Women in Information Technology Community

INTERNSHIPS

Apple Inc., Cupertino CA
Software Engineer Intern, Network Media — **August to December 2017**
Software Engineer Intern, Systems Quality Assurance — **May to August 2016**

- Developed a Python and JavaScript framework performing user-scenario tests of iOS AirPlay to Apple TV.
- Developed a Python utility that uses OpenCV to analyze video and verify correct playback in media tests.
- Brought team's AirPlay test coverage from a few scripts to a full suite of scheduled, automated tests.

Intel Corp., Chandler AZ
Design Automation Engineer Intern — **May to August 2015**

- Developed a Perl application that analyzes pre-silicon validation regression test metadata to identify and report run-time errors; led to the identification of unusually long-running tests and a 20% decrease in test time.
- Upgraded, configured, and deployed internal Perl continuous integration tool used by 50+ engineers.

MITRE Corp., Tampa FL
Software Developer Intern — **June to December 2014**

- Developed internal website using HTML, CSS and JavaScript educating employees on STEM outreach.

RESEARCH

Technical University of Ilmenau, Ilmenau Germany
Research Intern, Artificial Intelligence Lab — **June to July 2017**

University of Central Florida- Intelligent Systems Lab, Orlando FL
Undergraduate Research Assistant — **August 2016 to Present**

- Assisting a PhD student to analyze and generate models of ADHD teen driving using a context-based reasoning and genetic programming system. Collaborating with Drexel University.
- Worked on: implementing improved linear-regression-based physics simulator in C++, 2D driving visualization with OpenGL, and Python result graphing and statistical analysis.

TEACHING & LEADERSHIP

GitHub
Campus Expert — **April 2017 to Present**

- Participating in a remote leadership development program providing tech workshops and soft-skill mentoring.

University of Central Florida, Orlando FL
COMPASS Mentor, Initiatives in STEM Office — **August to December 2016**

- Co-mentored 6 STEM-interested freshmen in college transition to help retain talent in STEM disciplines.

Undergraduate Teaching Assistant — **August 2015 to May 2016**

- Held tutoring hours and graded programming assignments for 200-student introductory C programming class.

PROJECTS

- **UCF Intelligent Systems Lab Website- in progress (2017)**: Using Jekyll, HTML and CSS to fully redesign and update lab website and blog.
- **PL/0 Compiler (2017)**: Built a PL/0 compiler in C for UCF's Systems Software course. Implemented virtual machine, lexical analyzer, recursive-descent parser, and error-recovery system.

AWARDS

- **GHC Scholar, Anita Borg Institute (2015)**: Travel grant awarded to 26% of applicants to attend the Grace Hopper Celebration of Women in Computing Conference.
- **Provost Scholar, UCF (2014)**: Full-tuition merit scholarship awarded to less than 10% of admitted freshmen.

SKILLS

Proficient: C/C++, Java, Python, JavaScript, HTML, CSS, Git, SVN, Unix/Linux use, LaTeX
Familiar: Ruby, Lua, C#, PHP, Perl, Sass, OpenGL, OpenCV, Chef, Vagrant