

Lauren Hastings

(727) 686-7249 • lhastingsa@gmail.com • <https://hastingsl.github.io>

Languages & Technologies

C/C++, Java, Python, JavaScript, Ruby, Lua, PHP, Perl, Bash, MIPS Assembly, LaTeX, HTML, CSS, Sass, Git, SVN, Unix/Linux & Windows, Chef, Vagrant, OpenCV, MediaWiki

Education

University of Central Florida **Orlando, FL** **August 2014 to August 2018**
B.S. in Computational Mathematics **GPA: 3.73/4.0**

- **Current courses:** Computational Theory, Statistical Theory I, Linear Algebra
- **Completed courses:** Computer Architecture, Graph Theory (Spring 2016), Algorithms & Data Structures II, Computer Logic & Organization (Fall 2015), Algorithms & Data Structures I, Object Oriented Programming, Discrete Mathematics, Statistics I (Spring 2015), C Programming, Technical Writing & Presentation, Engineering Leadership (Fall 2014)

Experience

Research Assistant **University of Central Florida** **August 2016 to May 2017**

- Assisting a PhD student in developing observational machine learning models of ADHD teen driving
- Collaborating with researchers at Drexel University and The Children's Hospital of Philadelphia
- Currently integrating monitoring of new variables into traffic simulator; using C++ & OpenGL

Software Engineering Intern **Apple, Cupertino CA** **May to August 2016**

- Developed Python & JavaScript framework to perform end-to-end, user-scenario tests of iOS AirPlay to Apple TV; utilized multi-threaded Python to synchronize multi-device tests
- Developed a solution for verifying media playback in music & video tests that uses Python OpenCV to analyze screen motion; integrated tool as endpoint in Raspberry Pi Ruby Puma server

Design Automation Intern **Intel, Chandler AZ** **May to August 2015**

- Developed tool extracting and analyzing metadata from pre-silicon validation regression test logs to identify and report run-time issues to team's web dashboard; used Perl, PHP & SQL
- Upgraded, configured and deployed team's internally developed continuous integration tool

Security Intern **University of Central Florida** **January to May 2015**

- Conducted client-side web and social engineering penetration tests of university infrastructure

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

- Designed & developed ASP.NET website educating employees on company STEM outreach efforts
- Used HTML, CSS, JavaScript & jQuery

Teaching & Mentorship

COMPASS Mentor **University of Central Florida** **August to December 2016**

- Provide support to 6 STEM-interested, undecided-major freshmen in academics, college transition and career exploration with the goal of retaining talent in STEM disciplines for university

Teaching Assistant **University of Central Florida** **August 2015 to May 2016**

- Provide tutoring and grade assignments for 200-student introductory C programming class