

Lauren Hastings

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Experience

Apple

TV Systems QA Automation Intern

Cupertino, CA

May 2016 – August 2016

- Developed a Python framework for automated end-user scenario testing of iOS device AirPlay to Apple TV
- Developed a Python library to validate media playback through audio and video detection; supports video validation via OpenCV image comparison, motion detection or Raspberry Pi color sensor analysis
- Integrated media validation tool as endpoint in existing Raspberry Pi Ruby server project for scalable testing

Intel

Design Automation Intern

Chandler, AZ

May 2015 – August 2015

- Programmed Perl automation scripts to streamline team's pre-silicon validation Linux environment
- Developed a Perl tool extracting errors, warnings, and metadata from regression test logs for use in validation team decisions; led to the isolation of unusually long-running tests and a 20% decrease in test time
- Upgraded, configured and provided support for team continuous integration tool, led consultations on tool use

University of Central Florida

Security Intern

Orlando, FL

January 2015 – May 2015

- Conducted both client-side web and social engineering penetration tests of university infrastructure
- With fellow interns, participated in weekly team-building CTF practices focusing on web application security
- Built proof-of-concept project demonstrating Chef server provisioning of LAMP stacks on Linux and Windows VMs, authored an internal paper assessing the use of Chef and Vagrant for central IT consideration

MITRE

Software Application Developer Intern

Tampa, FL

June 2014 – December 2014

- Designed, developed and authored content for internal ASP.NET website aimed to increase volunteer involvement by educating employees on company STEM outreach initiatives; used HTML, CSS and JavaScript
 - For Intern Program SharePoint, defined and implemented workflows aggregating hiring metrics for visualization on STEM outreach site
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Education

University of Central Florida

B.S. in Computational Applied Mathematics, Minor in Computer Science, **GPA: 3.73/4.0** August 2014 – August 2018

Orlando, FL

- Attending on a full-tuition merit scholarship awarded to less than 10% of admitted Honors College freshmen
 - **Upcoming Courses:** Systems Software, Operating Systems, Programming Languages, Statistical Theory I & II
 - **Completed Courses:** Algorithms & Data Structures, C Programming, Object Oriented Programming, Computer Logic & Organization, Computer Architecture, Discrete Mathematics, Technical Writing & Presentation, Engineering Leadership, Statistical Methods I, Introduction to Graph Theory
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Leadership

University of Central Florida

Teaching Assistant

Orlando, FL

August 2015 – Present

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

COMPASS Mentor

August 2016 – December 2016

- Co-mentor 8 undecided, STEM-interested freshmen in subject & career exploration culminating in choosing a major
 - COMPASS program designed to increase talent-retention in STEM disciplines at UCF
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Skills & Technologies

Proficient: C, Java, Python, JavaScript, HTML & CSS, Git, Unix/Linux, object-oriented & functional programming

Experience with: Perl, Lua, PHP, C#, Ruby, MIPS Assembly, OpenCV, Sass, Chef, Vagrant, MediaWiki, LaTeX