

# Lauren Hastings

(727) 686-7249 • lhastingsa@gmail.com • www.hastingsl.github.io

## SKILLS & TECHNOLOGIES

- **Proficient:** C, Java, Python, JavaScript, jQuery, HTML, CSS, Git, Linux, object-oriented & functional programming
- **Prior experience:** C#, Lua, Perl, PHP, MIPS Assembly, ASP.NET, OpenCV, Sass, MediaWiki, SharePoint, LaTeX

## WORK EXPERIENCE

---

### Software Engineering Intern      Apple Inc., Cupertino CA      May 2016—August 2016

- Develop multi-device user-scenario Python tests of Apple TV and connected devices for TV Systems QA team
- Wrote an extensible, general-purpose Python library for validating media playback through audio and video detection; library supports video detection via OpenCV image processing, motion detection, or color sensors on Raspberry Pi

### Design Automation Intern      Intel Corp., Chandler AZ      May 2015—August 2015

- Programmed Perl automation and tool extension scripts to streamline team's pre-silicon validation Linux environment
- Developed Perl CLI tool extracting regression test time, errors, and warnings for individual tests from logs for validation team use; led to the isolation of unusually long-running tests and a 20% decrease in test time
- Upgraded, configured and provided support for internal CAD tools; provided cross-team consultations on tool use and maintained documentation in team's MediaWiki site

### Red-Team Security Intern      University of Central Florida, Orlando FL      January 2015—May 2015

- Programmed Python scripts for network security testing and conducted both client-side web and social engineering penetration tests of university infrastructure in accordance with OWASP standards
- Working 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 virtual machines, authored an internal technical paper assessing the use of Chef for IT department consideration

### Software Developer Intern      MITRE, Tampa FL      June 2014—January 2015

### STEM Programs Internal Website      August 2015—January 2015

- Designed, developed, and wrote content for front-end of internal ASP.NET website aimed to increase volunteer involvement by educating employees on company STEM outreach initiatives; used HTML, CSS, and JavaScript
- Provided administrative support for Intern Program SharePoint, designed and implemented workflows automating information retrieval and email notification tasks in intern hiring process

### Air Force Portfolio Division Wiki      June 2014—August 2015

- Redesigned site UI using HTML, CSS, JavaScript and Bootstrap, implemented as MediaWiki skin and modified existing internal PHP and JavaScript extensions to add new UI functionality
- To increase maintainability, converted existing WikiText templates to simplified Lua modules
- Programmed Python server maintenance scripts

## EDUCATION

---

### University of Central Florida, Orlando FL      August 2014—May 2018

### B.S. in Computational Mathematics, Minor in Computer Science

GPA: 3.73/4.0

#### • Burnett Honors College

- **Courses:** Algorithms & Data Structures, Object Oriented Programming, C Programming, Computer Logic & Organization, Computer Architecture, Statistical Methods I, Introduction to Graph Theory, Technical Writing & Presentation, Engineering Leadership

**Industry Training:** Python Programming, x86 Architecture (MITRE), Open Verification Methodology (Intel)

## ADDITIONAL EXPERIENCE & SCHOLARSHIPS

---

### COMPASS Mentor      University of Central Florida      August 2016—December 2016

- Co-mentor 10 undeclared, STEM-interested freshmen in major & career exploration and college-life adjustment culminating in choosing a major; program designed to increase talent retention in STEM disciplines at UCF

### Teaching Assistant      University of Central Florida      August 2015—Present

- Hold tutoring hours and grade homework programs and exam code for 200-student introductory C programming class

### Provost Scholar      University of Central Florida      May 2014

- Full-tuition merit scholarship awarded to less than 10% of admitted Honors freshmen