Lauren Hastings

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

---

Experience

University of Central Florida   **Orlando, FL**
Research Assistant, Intelligent Systems Lab   *August 2016 – Present*

- Working with a PhD student to develop models of ADHD teen driving using observational machine learning
- Technologies: C++, MATLAB, SVN, CMake
- Project in collaboration with Drexel University and the Children's Hospital of Philadelphia

Apple   **Cupertino, CA**
Software Engineering Intern, TV Systems QA Automation   *May 2016 – August 2016*

- Developed a Python and JavaScript framework for end-to-end, user-scenario testing of iOS AirPlay to Apple TV
- Developed a Python library to validate media playback using an external camera and OpenCV to analyze screen motion
- Integrated media validation tool as endpoint in Raspberry Pi Ruby Puma server for scalable testing
- Served as team's primary contact for AirPlay QA, regularly communicated cross-team to coordinate test efforts

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

- Programmed Perl scripts to automate manual processes in team's pre-silicon validation Linux environment
- Developed a Perl tool extracting and reporting metadata from regression test logs to a PHP dashboard for use in validation team decisions; led to the isolation of unusually long-running tests and a 20% decrease in test time
- Led consultations to remote teams on internal continuous integration tool

University of Central Florida   **Orlando, FL**
Security Intern, Information Security Office   *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

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

- Designed and developed internal ASP.NET website educating employees on company STEM outreach initiatives
- Implemented SharePoint workflows aggregating intern hiring metrics for D3.js visualization

---

Education

University of Central Florida   **Orlando, FL**
B.S. in Computational Applied Mathematics, Minor in Computer Science, **GPA:** *3.73/4.0*   *2014 – 2018*

- Attending on a full-tuition merit scholarship awarded to less than 10% of admitted Honors College freshmen
- **Current courses**: Theory of Computation, Statistical Theory I, Linear Algebra
- **Completed courses**: Algorithms & Data Structures, Object Oriented Programming, C Programming, Computer Architecture, Statistical Methods I, Introduction to Graph Theory, Technical Writing & Presentation, Engineering Leadership

---

Leadership

University of Central Florida   **Orlando, FL**
COMPASS Mentor   *August 2016 – Present*

- Co-mentor 5 undecided, STEM-interested freshmen in major/career exploration culminating in choosing a major

Teaching Assistant   *August 2015 – May 2016*

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

---

Skills & Technologies

Proficient: C/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