Jonathan Burns

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Education

Carnegie Mellon University, Pittsburgh, PA
Bachelor of Science in Computer Science, May 2018
Minor: Human-Computer Interaction
Cumulative GPA: 4.0   *(Deans' List Fall 2014–Spring 2017)*
Courses: Designing Human-Centered Software
Compiler Design, Operating System Design and Implementation
Computer Security, Applied Machine Learning

Skills

Languages: Swift/Objective-C, C, PHP, Java, JavaScript, Node.js, C++, SQL, CSS3
Applications: Git, UNIX, Photoshop, Illustrator

Experience

Facebook Inc., Menlo Park, CA
Front End Engineering Intern (Summer 2017)
- Designed and built exciting new features for Origami Studio, a Mac app for designers to create interactive mobile app prototypes in a drag-and-drop environment

Google Inc., Mountain View, CA
Software Engineering Intern (Summer 2016)
- Integrated a Google help library into the Google Search App for iPhone
- Created an animated line graph to show hourly weather conditions
- Designed and built an animation to encourage users to tap on the Google doodle

Mobile Applications Startup, Santa Monica, CA
Software Developer (Summer 2015)
- Designed UI/UX and implemented a social networking iPhone application
- Worked collaboratively with a team of 8 developers on a 10,000+ line codebase

Carnegie Mellon University, Pittsburgh, PA
Teaching Assistant (August 2015–Present)
- Served as Head TA for two semesters, leading 30+ TAs to teach over 350 students
- Taught introductory CS reasoning skills, data structures, and C language concepts

UCLA Smart Grid Energy Research Center, Los Angeles, CA
Software Development Intern (June 2011–August 2013)
- Developed an iPhone application to control electric vehicle charging
- Created web-based administration panel for an electric vehicle parking lot

Projects

Office Hours Queue (December 2016–January 2017)
- Created a real-time, mobile-friendly web application for students in a large computer science class to get help from course staff at office hours

iHW and **Harvard-Westlake InfoCenter** (April 2013–May 2014)
- Designed and created "iHW" iPhone and Android applications that show students' daily schedules, holidays, and events (ihwapp.com)
- Implemented a web-based digital signage system to display schedule and events

Honors

- Eagle Scout (2013)
- Alan J. Perlis Undergraduate Student Teaching Award (2017)
- Award for Excellence in Computer Science (Harvard-Westlake High School, 2014)
- National Merit Scholar (2013)