Kevin D. Conley

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	GitHub: https://github.com/kevincon

Education

Stanford University, Palo Alto, California
Master of Science in Electrical Engineering, Stanford Graduate Fellow   **June 2014**
Cumulative GPA: 3.65/4.00

University of Pennsylvania, Philadelphia, Pennsylvania
Bachelor of Science in Electrical Engineering, Minor in Mathematics   **May 2012**
Cumulative GPA: 3.62/4.00 (Magna Cum Laude)

Professional Experience

Intel Corporation, Santa Clara, California
Firmware Engineer   **January 2017 - Present**

- Managed a remote team of firmware engineers located in Shanghai, China and Vancouver, BC
- Wrote graphics, UI, and application platform firmware in C for the Vaunt smart glasses
- Built up firmware unit test infrastructure based on Criterion unit testing framework
- Setup developer and continuous integration environment containers using Vagrant
- Wrote tools in Python to automate common tasks and increase developer productivity
- Helped orchestrate transition to a monorepo while preserving git commit history

Pebble Technology, Redwood City, California
Embedded Firmware Engineer   **April 2015 - December 2016**

- Served as Technical Lead of the Watch User Experience team during development of the Pebble Time Round, Pebble 2, and Pebble Time 2 smart watches
- Implemented user interfaces, animations, applications, and services in C for all Pebble watches
- Wrote test automation and tool scripts in Python
- Served as Firmware Internationalization Lead for several firmware releases by coordinating translation efforts, fixing copy errors, and generating firmware language packs
- Managed and mentored college interns

Stanford University, Stanford, California
Mobile Applications Developer   **Summer 2013**

- Developed open-source iPhone app for Stanford's shuttle bus system in Objective-C and Swift
- App became Stanford's official shuttle bus app and has been downloaded over 10,000 times

NASA Langley Research Center, Hampton, Virginia
LARSS Post-graduate Engineering Intern   **Summer 2012**

- Programmed PowerPC-based avionics using the VxWorks 653 real-time operating system
- Wrote runtime verification monitors in Haskell using a domain specific language called Copilot
- Wrote technical documentation for an avionics testbed
- Contributed software patches to BeRTOS, an open-source real-time operating system
- Mentored and supervised a high school student intern

Bump Technologies, Inc., Mountain View, California
Electrical Engineering Intern   **Summer 2011**

- Designed electronics for an ARM Cortex-A8 embedded system that transmitted coupons to customers via the Bump smart phone app
- Assisted with mechanical assembly by crimping cables and soldering printed circuit boards