Trung Le

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EMPLOYMENT

Software engineer — Jawbone, Seattle WA   2012—2014

Developed firmware for the UP fitness tracker. Delivered a wide range of infrastructural modules and applications for the ARM Cortex-M3 and the iOS platform, including BTLE protocol, authentication and encryption between band and phone, data collection, peripheral drivers, USB serial interface, band UX interactions and iOS developer tools.

Research Assistant — Sensor Lab at UW and Seattle Intel Lab, WA   2010—2012

Designed and built a GUI software for the Wireless Resonant Energy Link (WREL) system. The software was done in Python QT, supported data collection, control and diagnostics for the embedded microcontroller on the power system.

Teaching Assistant (CSE352) — CS Department, University of Washington   2012—2012

Assisted students with hardware lab sections and assignments, held office hours, graded assignments and tests. Web admin of the class website. The course focused on building a CPU with RISC architecture on an FPGA using Verilog.

Software Intern — Genie Industries, Redmond WA   2011—2011

Worked with large C codebase. Implemented the control system via a web browser interface with Javascript for a new line of scissor lift and performed QA tasks for the electrical and mechanical components. Occasional soldering projects.

Software Intern — Mindbloom Inc., Seattle WA   2010—2010

Performed QA automation for a health wellness social game in the startup scene. Tasked with simple web development in Javascript, HTML and Selenium.

EDUCATION

B.S. Electrical Engineering   2008—2012

University of Washington, Seattle, WA

TECHNICAL SKILLS

Programming:	C/C++, Objective-C, Python, HTML, Rails (and familiarity with C#, Coffescript, Java, Ruby)
Embedded:	ARM; FreeRTOS; USART, I2C, SPI, USB serial interface; BTLE protocol; serial flash driver; haptic sensor, captouch, LED
Technology:	Git, JIRA, BTLE, iOS, Unity, QT, AES encryption