Steve Huynh

website: hi-steve.github.io
email: hi.stevehuynh@gmail.com

Recent university graduate with studies in Electrical Engineering and Computer Science. Curious and passionate in discovering how our advancing technology can continue to impact.

Seeking full-time employment as a Software Development Engineer

Experiences

Kabrya. Wearables both solar-powered and fashion-forward employing AI and ML.
(Embedded Software Intern, July 2017 – Present)

- Interfaced App to microcontroller via Bluetooth using PSoC, Qt, and MVC architecture
- Used logic analyzer to stress test watchdog timer that manages various virtual timers syncing continuous interval events and asynchronous one-shot events
- Debugged and stress tested sensor manager for real-time data gathering from sensors
- Implemented buffers for reliable data transfer between sensors, MCU, and App via BLE
- Configured bonding for secure and authorized Bluetooth pairing between devices
- Configured deep sleep capability to conserve overall power consumption
- Updated code to optimize additional resources and be compatible with new hardware

Projects

Yes Lock. Bicycle lock that's smart, protective, and ride-shareable.
(Senior Design, IoT Development and Entrepreneurship)

- Collaborated with three teammates on product from start to end in span of five months
- Interfaced Android App to custom PCB via Bluetooth for dependable communication
- Designed and implemented user interface of Android App
- Programmed microelectronics from servo motor to accelerometer and alarm using standard embedded protocols and peripherals
- Modeled and printed 3-D bicycle lock and enclosures for custom printed circuit boards

Wapow! Chrome extension increasing work productivity.

- Incorporated web request and chrome API's using HTML, CSS, JavaScript, and JSON

Technical Skills

C, C++, Java, Python, R, CUDA, Matlab, Qt, Android Studio, HTML, CSS, JavaScript, Working with API's, PSoC, TI CCS, Verilog, AWS, EAGLE, Autodesk Fusion, Electronics Lab Equipment, Microcontrollers, Adobe Photoshop, Adobe Lightroom

Education

University of California, Davis — Sept. 2013 – Dec. 2017
B.S. in Electrical Engineering, Computer Science — GPA: 3.158 / 4.00

Project-based Courses

Computer Networks	Python
Computer Architecture	C, MIPS, MPI, NVIDIA CUDA
Data Structures	C++
Digital Systems	FPGA Board, Verilog
Electronic Design	Android Studio, C, EAGLE, Java, Microcontroller
Embedded Systems	AWS, C, C++, Microcontroller
Machine Learning	Octave, Python