Cameron Pickett

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Education

University of Washington — **Seattle, WA**
Undergraduate in Computer Engineering — *2011–Now*

- Cumulative GPA of 3.77
- Focus: systems programming, embedded systems, ubiquitous computing
- Expected to graduate March of 2014

Skills

Software

- Proficiency with C/C++, Java, and Python
- Android application framework and user interface
- Git repositories and Gerrit code review
- MySQL database design using InnoDB engine

Hardware

- Designs utilizing Atmel ATMEGA and UC3, and TI MSP430 microcontrollers
- Designing for high speed communication using USB, Bluetooth, or WiFi
- Implementing hardware data security using AES-256
- PCB layout and routing with high-density BGA packages

Related Experience

Embedded Systems Capstone — **University of Washington**
Encrypted USB flash drive — *March 2013–June 2013*

- Designed and produced a hardware-encrypted USB2.0 flash drive unlockable via smartphone.
- Programmed an Atmel 32-bit microprocessor using C.
- Routed a prototype PCB in the form-factor of a flash drive.
- Developed an Android app in Java to communicate with the drive via Bluetooth.

UbiComp Lab — **University of Washington**
Undergraduate Researcher — *January 2012–Now*

- Designed and implemented a high-concurrency server for SpiroSmart using Nginx; Tornado, a Python server framework; and MySQL.
- Designed an Android library to communicate with aforementioned server using Google's http-java-client and gson libraries.
- Implemented a wireless signal-processing unit for Electrisense using Lua and C on an OpenWRT-enabled router SoC and Atmel microprocessor.

CyanogenMod
Code Contributor — *2010–2012*

- Contributed code to the gingerbread and icecream sandwich branches of CyanogenMod, a fork of the Android Open Source Project.
- Provided bugfixes and implemented requested functionality for the user interface using Java.

References

Sidhant Gupta — **UbiComp Lab**
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