

Cameron Pickett

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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

Education

University of Washington

Undergraduate in Computer Engineering

Seattle, WA

2011–Now

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

Related Experience

Embedded Systems Capstone

Encrypted USB flash drive

University of Washington

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

Undergraduate Researcher

University of Washington

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

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UbiComp Lab

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