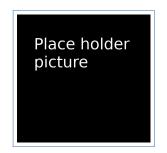
Andrew Ramsey

Curriculum Vitae

6000 Reynolds Drive 0875 Rochester, NY 14623 ⑤ (925) 639-2609 ☑ axr8451@rit.edu ⑥ ARamsey118 17.10.1995, Los Angeles



Computer Engineering student interested in the fields of RF and DSP. Praised for the ability to learn new subjects and be able to apply them to the work at hand.

Education

Aug. 2014 - Computer Engineering, Rochester Institute of Technology, Rochester, NY.

Present GPA: 3.96, Honors.

Aug. 2010 - High School Diploma, College Park High School, Pleasant Hill, CA. GPA:

June 2014 4.00.

Computer Skills

Languages: VHDL, C, Verilog, Python, Assembly, LaTeX, Bash

Software: Linux, Vivado, ISE, ModelSim, OrCAD PSpice, Quartus II, GNURadio, Git

 $Hardware: \ \ FPGAs, \ SDRs, \ Cortex-M0+, \ Oscilloscope, \ Multimeter, \ Function \ Generator$

Interests: Hardware Design, Digital Signal Processing, Embedded Systems, Open Source

Projects

Dec. 2015 - Mastermind.

Present The game of Mastermind on the Freescale Freedom KL46Z

- Designing a PCB to use as an outreach tool for children
- Wrote mixed C and ARM Assembly to provide software functionality
- Enhanced the game using RGB LEDs for feedback

Oct. 2014 - Clue.

Present An effort to recreate the board game Clue on the computer in C

- Learning how to create complex data structures in C
- Developed a decision model based on real world experience
- Self taught graph theory principles

Nov. 2014 - Freescale Car Competition.

May 2015 Built and programmed an autonomous car to compete in an international race

- Developed with MATLAB, Simulink, and mbed
- Processed data in real time to keep the car on track
- Learned to work with others' code

Extracurriculars

Jan. 2007 - Eagle Scout, Assistant Scout Master.

Present Volunteering with a local Boy Scout troop

- Teach middle and high school boys life and outdoor skills
- Managed other scouts in order to complete projects

Sep. 2016 - Launch Initiative, Avionics.

Present A club that focuses on the building and launching of rockets

- Creating a groundstation to establish ongoing comms with the rocket
- o Processed RF signals with an SDR to gather telemetry data on the flight

June 2013 - Contra Costa County Sheriff's Search and Rescue.

Jan. 2016 Volunteered with the sheriff's office to find lost people

- Reunited numerous people with their families
- Saved sheriff's office two million dollars each year
- Trained new recruits to perform their job duties

Languages

English Native Speaker

German Intermediate

4 years of high school and 3 upper level classes in college

American Beginner

Sign

Language