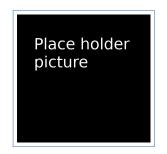
# Andrew Ramsey

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. Enjoys learning new subjects and applying 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