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Andrew Ramsey

Education

- Aug. 2014 – Present **Computer Engineering, Rochester Institute of Technology**, Overall GPA: 3.95, Honors
- Digital System Design I
 - Assembly Language with Lab
 - Software Engineering
 - Circuit Analysis I with Lab
 - Computer Science I & II
 - Product Innovation

Computer Skills

- Languages: Python, Java, C/C++, LaTeX, VHDL, MATLAB, Bash
Software: Linux, Pycharm, IntelliJ, Git, Vim, Altera Quartus, ModelSim, Keil μ Vision
Interests: Machine Learning, Open Source, Hardware Evolution

Projects

- Oct. 2014 – Present **Clue**
An effort to recreate the board game Clue on the computer in Java
- Developed a decision model based on real world experience
 - Explored Java graphics using JavaFX
 - Self taught graph theory principles
- Spring 2015 **Reverse Javadocs**
Simplified the creation of Java classes and package structure using Python and Beautiful Soup
- Saved two hours weekly for self and classmates
 - Discovered how to use git features, such as blame and bisect
- Nov. 2014 – May 2015 **Freescale Car Competition**
Built and programmed an autonomous car to compete in an international race
- Develop with MATLAB, Simulink, and EMBED
 - Work in a team of varying skill levels
 - Learn to work with others' code

Jobs

- Summer 2015 **Summer Laborer, Central Contra Costa Sanitary District**
Maintained the Sanitary District in good working order
- Worked independently and in groups without direct supervision
 - Ensured that tasks were completed on time and correctly
 - Launched recycled water program, ensuring customer satisfaction and environmentally friendly practices
- Aug. 2015 – Present **Teaching Assistant & Mentor, Rochester Institute of Technology**
Assist first-year students in lab exercises and adjusting to college
- Guide freshman through their first year of college
 - Grade lab exercises and reports

Leadership

Eagle Scout Award & Scholarship
Contra Costa County Sheriff's Search and Rescue
Advanced German II