

# Andrew Ramsey

## Education

- Fall 2014 – Present **Computer Engineering, Rochester Institute of Technology, Overall GPA: 3.95.**
- 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  
Interests: Machine Learning, Open Source, Hardware Evolution

## Projects

- October 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.**  
Simplifies 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.**  
Build and program 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.**  
Maintain the sanitary district in good working order
- Work independently and in groups without direct supervision
  - Ensure that tasks were completed on time and correctly
  - Launched recycled water program, ensuring customer satisfaction and environmentally friendly practices
- August 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
- Contra Costa County Sheriff's Search and Rescue
- Completed Advanced German II