Arik Yueh

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Education

University of California, Santa Cruz   Santa Cruz, California
Bachelor of Science, Electrical Engineering   *2015 - Present*

- **GPA:** 3.3

- **Relevant Coursework:** Computer Systems and Assembly Language, Computer Systems and C Programming, Python Programming, Differential Equations, Linear Algebra, Probability and Statistics for Engineers, Electricity and Magnetism, Waves and Optics, Thermodynamics

- **Currently Enrolled:** Electrical Circuits, Properties of Materials

Experience

- **American Red Cross**   San Jose, California
  American Red Cross Counselor   *Feb 2014 - July 2014*
    - Prepared and organized the Leadership Development Center, a summer program
    - Led and mentored as a group leader for high school students in my age group
    - Taught skills and qualities to be a leader in ones community

- **Math Enrichment**   San Jose, California
  Teacher Aid   *June 2013 - July 2013*
    - Graded homework and test by correctness and completion
    - Supervised and handled student behavior to ensure a workable and tidy environment
    - Communicated with parents on their child's progress in class

Projects

- **Battle Boats**
    - Recreated licensed board game in C using two Uno 32 kits
    - Used C libraries to configure 32 kits as I/O devices to receive, display, and send guesses
    - Implemented encrypting concepts in code using a Checksums Algorithm
    - Modeled the running of the game as state machines that handle different aspects and states of the game

- **Arduino Gamecube Controller Mod**
    - Modified the inputs of a Nintendo Gamecube Controller with an Arduino NANO 3.0
    - Modified existing C/ Arduino code that changed input values for the controller and loaded values to the Arduino
    - Deconstructed and reconstructed controller in order to solder wires to connect the inputs of the of controller to the Arduino

Skills

- **Languages:** C++, C, Python, HTML/CSS, MATLAB

- **Tools and Software:** Unix, Git, Arduino, PIC32