

Anisha Nakagawa

51 Madison Ave, Cambridge, MA 02140 | 617.823.8373 | anisha@students.olin.edu | github.com/anishan

Education

- Olin College** **May 2018**
- Candidate for Bachelor of Science in Electrical and Computer Engineering
 - Relevant Courses: Software Design; Data Visualization; Modeling and Simulation; Electricity and Magnetism; Introduction to Sensors, Instrumentation, and Measurement; Principles of Engineering
- Cambridge Rindge and Latin High School** **2014**
- Valedictorian, 4.0 unweighted GPA, First Honors
- Harvard University** **2012-2013**
- Relevant Courses: Multivariable Calculus, Linear Algebra and Differential Equations

Experience

- Summer Software Undergraduate Engineer | Draper Laboratory** **2015**
- Created web-app to display visual cues received asynchronously through a WebSocket
 - Designed and developed android application for google glass, interfacing with embedded sensors
- Technology Specialist Intern | CueThink** **2014-2015**
- Created quality assurance test plans in collaboration with software programmers
 - Worked on web development, conducted market research, evaluated product effectiveness
- Summer Research Intern | Draper Laboratory** **2013**
- Investigated autonomous navigation algorithms and open source code, used ROS in Linux with C++
 - Implemented path-planning software on robot, evaluated success, presented results at Tech Expo
- Teaching Assistant | Olin College – Linearity 1, Modeling and Simulation** **2015**

Projects

- Aquaponics System | Net Impact by Design Club – Vice-President, Electrical Subteam Co-Lead** **2015**
- Researching and designing electrical system for aquaponics ecosystem, helped create on campus chapter
- News Articles Sentiment Analyzer | Software Design Course** **2015**
- Created algorithm to compare news sources using sentiment analysis of articles, to determine bias
- Recipe-Finder Program | Software Design Course** **2015**
- Created web-app to search database of recipes with Mongo DB, interfaced with web GUI with Flask
- Satellite trajectory | Modeling and Simulation Course** **2014**
- Simulated and optimized satellite trajectory from Earth to Mars using MATLAB, presented poster
- Chameleon Toy with Microcontroller | Design Nature Course** **2014**
- Developed color-changing with LEDs using ATmega328 microcontroller (programmed with Arduino)
- Greening Olin and the World – Co-President** **2014-2015**
- Initiated reusable mugs and drying racks programs, working with Facilities/Dining Hall

Skills

- **Java**, **Python**, C++, C (Arduino), **MATLAB**, HTML, CSS, **Javascript**, Mathematica, COMSOL, Linux, Git