

Brandon Ng

Email: ngb@bu.edu
Website: bng8.github.io
Phone: (781)985-6667

Education

Bachelor of Science: Computer Engineering
Minor in Electrical Engineering

Boston University

Boston, MA

Expected Graduation: May 2018

GPA: 3.34 out of 4.0.

Technical Skills

Programming

- Proficient in HTML & CSS, JavaScript, and Python
- Fundamental understanding of Object Oriented Programming concepts
- In progress of learning C/C++

Hardware

- Familiar with through-hole and SMT soldering, EAGLE PCB design, and microelectronic circuitry
- Experienced with circuit layout testing, oscilloscopes, function generators, and multimeters

Software

- Practiced in MS Office, Adobe Photoshop and Illustrator, and AutoCad

Projects

Light Collimator Tester

- Worked in a team of five to build a testing device for a light collimator, designed by Agira Photonics
- Handled the circuitry and programming of electronics, namely digital lux meter and DC motor controlled by Arduino, used to construct the product

Experience

Research Assistant

Feb 2016-Present

Andesite, Boston University Miniature Satellite Research Lab

Boston, MA

- Designing and testing Solar Panel PCB and Electrical Power System PCB to power deployable mini-satellites on a cube satellite, which will gather magnetometer data around the Aurora Borealis
- On track to launch our CubeSat in June 2017

Extracurricular Activities

Boston University Fencing Club

Sep 2014-Present

- Often represents Boston University at intercollegiate tournaments
- Treasurer for the 2016-2017 academic year

Global App Initiative

Sep 2014-Present

- Develops and publishes apps for non-profit organization. In my first year, I was a member of the iOS version of the BU Community App team
- Currently, I am a member of the Operations Committee where we organize events for the GAI Community and fosters GAI App team relations

Boston Hacks Organization Committee

April 2016-Present

- Organizing annual Hackathon in April, which will host over 350 college students from across North America, in addition to Boston University students who choose to participate

Community Service

Pan Mass Challenge Kids Volunteer

May, 2013-2016

- Guided volunteers along the bike path
- In May 2014, I held the position of Committee Co-Chair where I led a committee in organizing and raising funds for the event