

# Brandon Ng

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## 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

### Languages

- Proficient in HTML & CSS, JavaScript, and Python
- 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

### Deli Clerk

*Aug 2012-Present*

### BJ's Wholesale Club

*Framingham, MA*

- Services members at the deli counter

## 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