**Education**

**Dartmouth College,** Hanover, NH **Expected June 2019**

*Bachelor of Arts, major in Computer Science Modified with Engineering, minor in Applied Mathematics*

**Newport High School**, Bellevue, WA **September** **2011 – June 2015**

Awards: *4-year American Invitational Mathematics Examination Qualifier (USA top 1%), Mu Alpha Theta Math Competition – 3-year State Champion, Presidential Service Award, National AP Scholar, Northwest Math Championships – Individual 3rd place*

**Work Experience**

**Mosaic Sales Solutions US Operating Co., LLC**, Hanover, NH **May. 2017 - Present**

*Incoming Dell Brand Ambassador*

**Dartmouth Information Technology Services**, Hanover, NH **Mar. 2017 – Present**

*Assistant Student Consultant*

* Assist 20+ students each week through identification and resolving a range of 10+ software issues, including printer installations, backing up information, and Wi-Fi connectivity issues. Simplify technical jargon and communicate next steps if necessary. Communication platforms include online chat, walk-ins, and emails.

**Symantec Corporation**,Boxborough, MA **Jan. 2017 – Mar. 2017**

*Intern – Software Engineer*

* Led 2 interns and worked with 2 security engineers to design, engineer, and write feature specifications for 2 out of 15 user interface features of SSL Visibility (newest network protection product) that protect customer sign-in private information and enable management of other private data with simple clicks and user-friendly type-in commands.
* Collaborated with two engineers to develop a program that updates a database of 30+ existing security vulnerabilities on an Operating System and sends weekly updates to 20+ engineers, who can now easily identify and eliminate vulnerabilities.

**Izentis LLC**,Cambridge, MA (Consulting engineering firm for NASA and MIT) **June 2016 – Aug. 2016**

*Intern Engineer*

* Supported MIT’s Space Nanotechnology Laboratory and NASA on the design and implementation of experiments to develop NASA’s next-generation x-ray telescopes, a 3-year project to enhance studies of the universe’s makeup.
* Collaborated with another intern to research and experiment with 20+ different solder-bonding methods and document 20+ page reports. Successful experiments in the former will be used for connecting the 1000+ mirrors in the telescopes.

**Philips Medical Systems**,Bothell, WA **Sept. 2014 – June 2015**

*Research and Development Intern*

* Collaborated with 5 medical doctors to properly identify and produce a database of more than 1300 patient heart rhythm samples from Australia, Netherlands, and Washington using Matlab and Microsoft Access programs. This database was a basis for Sherlock, an algorithm for AED devices that maximized the reduction of the average time of cardiac resuscitation.

**Leadership Experience & Service**

**Dartmouth Coalition for Immigration Reform, Equality, and Dreamers**,Hanover, NH **Mar. 2017 – Present**

*Director of Communications*

* Reach out to 13+ student organizations on nationwide college campuses supporting immigration rights, immigration lawyers, and immigration rights activists to build an alliance for supporting undocumented students.
* Revamped current website to reflect current memberships, update ongoing projects, and news for undocumented students. Increased website traffic by 15% and responded to concerns and reach outs via email.
* Manage Facebook and Twitter accounts, researching and posting relevant content such as petition forms, immigration policy changes, and panels on immigration reform once a week.

**Dartmouth Korean Students Association**, Hanover, NH **Sept. 2015 – Present**

*Korean Culture Night Chair*

* Direct a campus-wide event consisting of audience of size 150+ and 30+ performers to promote awareness in Korean to promote awareness in Korean culture, ranging from Korean traditional dances and drums to modern K-pop dances and songs. Communicate with 12 on-campus student groups including cultural, dance, and singing groups to recruit performers.
* Managed and received approval for a budget of $2.6k to purchase and cook Korean food and book the venue.

**Technical Competencies and Additional Activities**

**Programming:** C, C++, Java, Matlab, HTML/CSS, Python, Bash, Microsoft Office

**Languages:** Korean (Native)

**Activities**: Chi Gamma Epsilon Fraternity, Club Swim, Rockefeller Management and Leadership Development Program