

EDUCATION

NORTHEASTERN UNIVERSITY | *Boston, MA*

CANDIDATE FOR BS IN ELECTRICAL & COMPUTER ENGINEERING

GPA: 3.608 | Expected Graduation Date: May 2022

Relevant Courses: Calculus 3 | Discrete Structures | Embedded Design | Circuits and Signals

Activities: NU IEEE | EWB | AIAA | NUAUV

CENTRAL KITSAP HIGH SCHOOL | *Silverdale, WA*

GRADUATED IN JUNE 2017

Awards: Graduate with Honors | Distinguished Scholar | AP Scholar with Distinction | Academic Achievement Award

Activities: Honor Society | Key Club | ASB Senior Justice | Varsity Track | Varsity Cross Country

EXPERIENCE

NORTHEASTERN ECE RESEARCH | *Boston, MA*

Sep '18 - Present

RESEARCH ASSISTANT

- Developing a mobile application using **Android Studio** to provide a **User Interface** to present information read from an Alzheimer's detection sensor

SERVICE LEARNING FOR ENGINEERING | *Boston, MA*

Fall '17, Spring '18, Fall '18

VOLUNTEER

- Teach primary school children **Engineering Design** and **Arduino** to build **Sumo Bots** for competition

SERVICE TRIP | *Lusaka, Zambia*

Jul '18 - Aug '18

VOLUNTEER

- Taught and provided medical assistance to students and patients
- Designed and built a playground from old tires

SEABECK CONFERENCE CENTER | *Seabeck, WA*

Summer '17, Summer '18

SERVER

- Prepared and served food
- Conducted janitorial and customer service responsibilities

NORTHEASTERN ECE DEPARTMENT | *Boston, MA*

Jan '18 - Apr '18

COMPUTER SYSTEMS ASSISTANT

- Reconfigured and prepared computers for use and conducted general computer maintenance and repair

PROJECTS

AUTOMATIC PILL DISPENSER

Python, C++, HTML, CSS, JS

- Design and create a device to dispense pills for patients
- Utilize **Alexa Skill** to allow for user interaction
- Simultaneously dispenses water with every set of pills
- Competed with this device at the **China-US Young Makers Competition** in Beijing, China

SKILLS

PROGRAMMING:

- Python, C++, Java, MATLAB, \LaTeX
- Familiar with C, HTML, CSS

COMPUTER:

- SolidWorks, AutoCAD, Inventor, 3DSMax
- Git, AWS, Android Studio, Arduino