

EDUCATION

NORTHEASTERN UNIVERSITY | CANDIDATE FOR BS IN ELECTRICAL & COMPUTER ENGINEERING

Boston, MA

GPA: 3.61 | Expected Graduation Date: May 2022

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

Activities: NU IEEE | EWB Uganda | AIAA | NUAV | Enabling Engineering

CENTRAL KITSAP HIGH SCHOOL | GRADUATED IN JUNE 2017

Silverdale, WA

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 | RESEARCH ASSISTANT

Sep '18 - Present

Boston, MA

- 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 | VOLUNTEER

Fall '17, Spring '18, Fall '18

Boston, MA

- Teach primary school children engineering design and **Arduino** to build Sumo Bots for competition

SERVICE TRIP | VOLUNTEER

Jul '18 - Aug '18

Lusaka, Zambia

- Taught general science principles to primary school students
- Designed and built a playground from old tires

SEABECK CONFERENCE CENTER | SERVER

Summer '17, Summer '18

Seabeck, WA

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

NORTHEASTERN ECE DEPARTMENT | COMPUTER SYSTEMS ASSISTANT

Jan '18 - Apr '18

Boston, MA

- 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 along with auditory and visual reminders
- 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
- Familiar with C, \LaTeX , MATLAB

COMPUTER:

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