

# Christian Kuss

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## EDUCATION

### **NORTHEASTERN UNIVERSITY** | CANDIDATE FOR BS IN ELECTRICAL & COMPUTER ENGINEERING

*Boston, MA*

GPA: 3.61 | Expected Graduation Date: May 2022

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

Activities: NU IEEE | Northeastern Unmanned Aerial Vehicles

### **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 | Cross Country Captain

## EXPERIENCE

### **NORTHEASTERN ECE RESEARCH** | RESEARCH ASSISTANT

Sep '18 - Present

*Boston, MA*

- Developing a mobile application using **React Native** to provide a user interface for reading from an Alzheimer's detection sensor

### **SERVICE LEARNING FOR ENGINEERING** | VOLUNTEER MENTOR

Sep '17 - Present

*Boston, MA*

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

### **HOPEWORLDWIDE 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

Apr '18 - Aug '18

*Seabeck, WA*

- Prepared and coordinated food service while maintaining guest relations

### **NORTHEASTERN ECE DEPARTMENT** | COMPUTER SYSTEMS ASSISTANT

Jan '18 - Apr '18

*Boston, MA*

- Reconfigured computers for use and conducted general computer maintenance

## SKILLS

### **PROGRAMMING**

- Python, C++, Java
- Familiar with C, C#,  $\text{\LaTeX}$ , MATLAB

### **COMPUTER**

- SolidWorks, AutoCAD, Inventor, 3DSMax
- Git, AWS, Arduino, Unity

## PROJECTS

### **AUTOMATIC PILL DISPENSER** In Progress

*Python, C++, HTML, CSS, JS*

- Eliminates error in taking prescriptions by dispensing correct dosages with a small amount of water
- Utilize **Alexa Skill** to allow for user interaction along with auditory and visual reminders
- Competed with this device at the China-US Young Makers Competition in Beijing, China

### **ALEXA SKILL GAME**

May '17

*Java, Maven, Lambda*

- Coded a text based adventure game in **Java**
- Compiled using **Maven** and deployed on **AWS Lambda**
- Allowed for multiple story paths and specific Alexa responses based on answer