

# 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 | Networks | Discrete Structures

Activities: NU IEEE | Northeastern Unmanned Aerial Vehicles

## EXPERIENCE

**TABLECHECK INC.** | SOFTWARE ENGINEERING INTERN

Jan '19 - Present

*Tokyo, Japan*

- Implementing a low-level "rescue service" should the main app fail
- Developing a payment platform microservice that adapts depending on the payment provider
- Writing and performing detailed test cases using RSpec

**NORTHEASTERN ECE RESEARCH** | RESEARCH ASSISTANT

Sep '18 - Dec '18

*Boston, MA*

- Developed 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

**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, Ruby/Rails
- Familiar with C, C#,  $\text{\LaTeX}$ , MATLAB, Elixir

### COMPUTER

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