Christian Kuss

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EDUCATION

NORTHEASTERN UNIVERSITY | Candidate for BS in Electrical & Computer Engineering
Boston, MA

GPA: 3.56 | Expected Graduation Date: May 2022 | Third Year
Relevant Courses: Electronics | Algorithms | Digital Design | Embedded Design | Circuits and Signals
Activities: Boston Campus Ministry | Northeastern Unmanned Aerial Vehicles

SKILLS

PROGRAMMING

- Python, C++, Java, Ruby/Rails, Javascript
- Familiar with C, LaTeX, MATLAB, Elixir, React

COMPUTER

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

EXPERIENCE

TABLECHECK INC. | Software Engineering Co-op — Jan '19 - Jul '19
Tokyo, Japan | *Ruby, Rails, Elixir*

- Implemented a low-level "rescue service" using React and DynamoDB
- Developed a payment platform microservice in Ruby that adapts to third party API's
- Wrote and performed detailed test cases using RSpec

NORTHEASTERN ECE RESEARCH | Research Assistant — Sep '18 - Dec '18
Boston, MA | *Arduino, React Native*

- Developed a mobile application using React Native for reading from an Alzheimer's detection sensor over Bluetooth

SERVICE LEARNING FOR ENGINEERING | Volunteer Mentor — Sep '17 - Dec '18
Boston, MA

- Taught 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

PROJECTS

AUTOMATIC PILL DISPENSER In Progress
Python, Arduino

- 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

WIIMOTE ROBOTIC ARM Fall '18
C++, Simulink

- Programmed FPGAs using Simulink to take in commands over bluetooth from a Wii remote
- Moved corresponding servos depending on button presses
- Completed as part of the course Embedded Design