Christian Kuss

https://christiankuss.com

+1.360.865.6302 📞
christianmkuss@gmail.com ✉
github.com/christianmkuss
linkedin.com/in/christian-kuss

EDUCATION

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

GPA: 3.40 | Expected Graduation Date: Dec 2021
Relevant Courses: Wireless Sensors & IoT | Machine Learning | OOD | Electromagnetics

SKILLS

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

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

EXPERIENCE

MICROSOFT | Software Engineering Intern   May '21 - Jul '21
Remote | C++, C#

- Extended Azure cold storage capabilities to lower WAN costs for duplicating data using erasure coding
- Followed test driven development standards to flush out design flaws

AMAZON ROBOTICS | Software Engineering Co-op   Jan '20 - Jun '20
North Reading, MA | Java, C#

- Developed an image generator using C# and Unity for creating a machine learning training set
- Implemented feature requests into custom gradle CLI package
- Created standalone service using AWS Batch with GPU enabled docker images

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

PROJECTS

SMARTYPILL   In Progress
Python, Arduino

- Eliminates error in taking prescriptions by dispensing correct dosages on user-defined schedule
- Developing a full stack environment with a React web portal, RESTful API, and on-device GUI
- Incorporated as L.L.C. in July 2020

THE TEMPLE   Sep '20
Python, Arduino

- Reduced daily monotonous tasks through automation with a custom Alexa Skill
- Hosted a public web server on a RaspberryPi to communicate with local ESP-8322 nodes
- Completed tasks such as closing blinds, turning on lights, and customizing LED light strip colors

RETRO EYE   Oct '19
Python

- Created a tetris game that is controlled using computer vision
- Sends images to Google Cloud Vision API to get eye location from Camera
- Uses position of eye to determine where to move tetris piece