Christian Kuss

https://christiankuss.com

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

SKILLS

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

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

EXPERIENCE

TERRAN ORBITAL | GROUND SOFTWARE ENGINEER
Irvine, CA | Python   Feb '22 - Present
- Designed and created a command and control system for communication with satellites
- Managed radio and rotor hardware at ground stations
- Automated the processing of spacecraft telemetry and tracking generation

MICROSOFT | SOFTWARE ENGINEERING INTERN
Remote | C++, C#   May '21 - Jul '21
- Extended Azure cold storage capabilities to lower WAN costs for duplicating data using erasure coding
- Focused on increasing efficiency of data storage across multiple regions

AMAZON ROBOTICS | SOFTWARE ENGINEERING CO-OP
North Reading, MA | Java, C#   Jan '20 - Jun '20
- 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
Tokyo, Japan | Ruby, Rails, Elixir   Jan '19 - Jul '19
- Implemented a low-level "rescue service" using React and DynamoDB
- Developed a payment platform microservice in Ruby that adapts to third party APIs
- Wrote and performed detailed test cases using RSpec

EDUCATION

NORTHEASTERN UNIVERSITY | BS IN COMPUTER ENGINEERING
Boston, MA

Relevant Courses: Wireless Sensors & IoT | Machine Learning | Artificial Intelligence | OOD Electromagnetics | Embedded Design | Engineering Algorithms

PROJECTS

SMARTYPILL
React, Python, Golang
- Eliminates error in taking prescriptions by dispensing correct dosages on a 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
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