# Christian Kuss
https://christiankuss.com

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

## EXPERIENCE

**TERRAN ORBITAL** | Ground Software Engineer — Feb '22 - Present
*Irvine, CA | JavaScript, Python, TypeScript*

- Designed and created a command and control system for communication with satellites
- Automated the processing of spacecraft telemetry and tracking generation
- Developed software for managing internal and 3rd party ground stations

**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
- Focused on increasing efficiency of data storage across multiple regions

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

- 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 | Elixir, React, Ruby*

- 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

## SKILLS

### PROGRAMMING
- C++, C#, Java, JavaScript, Python, React, Ruby
- Familiar with C, Go, LaTeX, MATLAB, Rust, TypeScript

### SOFTWARE
- Docker, Git, Helm, Kubernetes, Terraform
- AutoCAD, AWS, Azure, SolidWorks, Unity

## EDUCATION

**NORTHEASTERN UNIVERSITY** | BS in Computer Engineering | Math Minor
*Boston, MA*

## PROJECTS

### SMARTYPILL
*Go, Python, React*

- 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

### THE TEMPLE
*Arduino, Python*

- 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
*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