

Professional Experience (Selected)

Software Engineer — IBM / 01-27-20 — Present **Data Science for Defense & Space**

- Active Security Clearance.

Computer Scientist — Missile Defense / 07-22-19 — 12-20-19 **Cleared Software Guru in Defense & Space**

- Active Security Clearance.

Data Engineering Intern — Suplari / 02-05-19 — 05-04-19 **Foolproofing Customizable Insight Implementations**

- Substituted generic SSH login credentials with AWS IAM user system to provide verbose logging & increase efficiency internally.
- Developed Predictive insights that leverage AI technologies to find predictive information about a companies financial statements

Data Scientist Intern — Honeywell / 06-25-18 — 08-31-18 **Design & Analysis of the Aerospace E-Commerce Platform**

- Designed and developed a labor visualization dashboard that easily identified \$2.2M in opportunity where the Honeywell team can eliminate unnecessary spend.
- Designed and developed a new mobile application platform that supports high-volume self-service traffic representing \$500K in annual operational savings.

Mixed Reality Intern — HITLabNZ / 04-23-18 — 06-22-18 **Superimposing Objects Into The Real-World On the Fly**

- Successfully prototyped version one of a mixed reality solution from scratch to be used to attract hundreds of prospective Product Design Students.
- Solution deployable on any Android, iOS, or limited Head-Mount Display Devices.

Data Scientist Intern I — Suplari / 05-15-17 — 08-18-17 **Building Insights-as-a-Service For Procurement Teams**

- Combined both natural language processing and machine learning algorithms to design and improve previous vendor normalization algorithm.
- Developed 10 feature functions totaling over 25 features used to create 8 prediction models to predict whether given domain is directory or website.
- Reduced Sales Analyst workload by 90% by developing a multi-classification solution on datasets ranging from 50K to 1.5M rows.

Junior Developer Intern — DevHub / 05-15-16 — 08-26-16 **Engineering A Private-Label Web Platform Experience**

- Introduced 3 Django Management Functions in Python as optimizations using the power of MySQL.
- Designed and implemented dynamic repository web zone across all private labels using Zendesk API.
- Implemented new reusable middleware to fix multiple redundancies with global ip configurations.

Demonstrated Skills

AWS, Python, Java, Git, Bash, Flask, Android, HTML, JavaScript, TypeScript, C, C++, C#, Django, SciKit-Learn, Angular, ReactJS,

Laravel, Node.JS, Unity, PyCrypto, MySQL, SQLite3, MongoDB, Spring MVC, Oracle, Bamboo, Docker.

Project Experience (Selected)

MagusVR — 2019 (<http://bit.ly/MagusVR>)

Role: Project Lead, Software Engineer

Fantasy Role-Playing Virtual Reality Game

- Crafted a Virtual Reality game to play a role as a magician, but with a twist of utilizing only physical hand gestures.

UpCrate — 2018 (<http://bit.ly/UpCrate>)

Role: Project Lead, Software Engineer

Laravel File-Sharing Web Application Hosted On AWS EC2

- Deployed and developed a Laravel web app to demonstrate database integration of a file-sharing schema among multiple users onto an AWS EC2.

Reality Stocks — 2018 (<http://bit.ly/Reality-Stocks>)

Role: Project Lead, Software Engineer

Financial Stock Navigation Using Only Hand Gestures

- Designed a ReactJS web app to allow hand gestures to navigate through financial stocks using the Leap Motion Hardware SDK.

Embedded Helicopter — 2018 (<http://bit.ly/Embed-Heli>)

Role: Software & Hardware Engineer

Flying A Helicopter With A Microcontroller

- Designed a C-based multitasking operating system to make a helicopter fly up and down.

AITAR — 2017 (<http://bit.ly/ait-ar>)

Role: Project Lead, Android Software Developer

Augmented Reality Fantasy Multiplayer Android Game

- Used Vuforia AR SDK, Firebase, Fragments to superimpose a health bar onto our world to play attack the player using Android.

Packaged Life — 2017 (Non-Disclosure Agreement)

Role: Chief Technology Officer

Educational Email Prototyping Solution

- Integrated AWS solutions into Python-Flask ecosystem, such as: EC2, Elastic Beanstalk, Route53, DynamoDB, S3, Lambda, SES into product backbone to attempt to scale 500+ users.

Education

University of Puget Sound (Tacoma, WA, USA)

B.S. in **Computer Science**

May 2019

Awards & Honors

- National Department of Defense SMART Scholarship
- Horatio Alger Scholarship
- Washington State Opportunity Scholarship
- Benjamin A. Gilman International Scholarship