

Professional Experience (Selected)

Computer Scientist — Missile Defense Agency / 07-22-19 — ? **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.
- Worked with key leaders on "insights" for 15+ customers through Python data wrangling and analysis.

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.
- Developed 7 C# scripts using Unity and Vuforia SDK.
- Solution deployable on any Android, iOS, or limited Head-Mount Display Devices.
- Managed high-level decisions regarding budgetary and implementation details, such as: buying a \$500 software license.

Data Scientist Intern II — Suplari / 12-17-17 — 01-19-18

Developing Machine Learning Solutions At Scale

- Wrote Transaction Categorization classification solutions producing 99% accuracy correspondence.
- Applied Python Scikit-Learn machine learning library to respond to feature detection and tuning of models.
- Reduced Sales Analyst workload by 90% by developing a multi-classification solution on datasets ranging from 50K to 1.5M rows.

Data Scientist Intern I — Suplari / 05-15-17 — 08-18-17

Building Insights-as-a-Service For Procurement Teams

- Collaborated with the Director of Data Science on vendor normalization classification problem on the design, pipeline, and backend levels.
- 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.

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.
- Patched 17 customer facing bugs.

Demonstrated Skills

AWS, Python, Java, Git, Bash, Flask, Android, HTML, JavaScript, C, C++, C#, Django, SciKit-Learn, AngularJS, ReactJS, Laravel, Node.JS, AutoCAD, Unity, PyCrypto, MySQL, SQLite3, MongoDB.

Project Experience (Selected)

MagusVR — 2019 (Not Published)

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