

# Geon Yoo

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## WORK/RELEVANT EXPERIENCE

### United Parcel Service (UPS)

Remote | June 2022 - Present

#### Information Technology Co-op | US Operations Training Team

- Merged current driver training LMS with a new website to aid over **100,000 drivers** to pass their evaluations
- Implemented a new driver training AR solution using **Unity** for future UPS drivers
- Developed **Neural Networks** using **Observational Learning** in **Unity** to aid logistics by maximizing efficiency in supply chain technology
- Created an **omniverse** inspired **multi-user** platform to help facilitate collaboration and training of UPS drivers

### Kloak

Valencia, CA | September 2021 - February 2022

#### Software Engineer Intern | Full Stack Development Team

- Implemented a periodic notification alert for various reasons for users
- Designed** the homepage of the website with industry standard **UI/UX Design**
- Pushed daily content to users using **React** and recommender systems

### Aviation Medical

Valencia, CA | June 2021 - September 2021

#### R&D Intern | Product Development and Testing Team

- Lead the **UI/UX Design** of the web portal and Vivally Mobile app using **Figma**
- Experience with **Project Managing** reimbursement reports and several other crucial reports
- Software project management to see if software was in compliance with **FDA guidelines** and **IEC 62304**
- App testing** and **traceability matrix**

### Santa Clarita City Hall

Santa Clarita, CA | June 2018 - August 2018

#### Civil Engineer Intern | Traffic and Sign Maintenance Team

- Collected traffic data at various points in the city and used that information to design public service roads.
- Created **AutoCAD** models to help the maintain road conditions and signs for the residents of Santa Clarita

## PERSONAL PROJECTS

### Personal Portfolio

- Built my personal website, contains my projects, past jobs, and ways to contact me
- Used **HTML, CSS, and Javascript** for the front end. **PHP** for the buildpack. **Particles.js** and **animate.js** was called

### Stock Alarm Clock

- Compiled top 10 S&P 500 tech company stock prices over the last 10 years to detect anomalies.
- Used **Isolation Forest** for anomaly detection, **React** for front end development, and **Python Flask** for backend.

### Twitter Chat Bot

- Implemented a model to detect validity of news headlines and recommends new ones and tweets it out
- Used **tensorflow** to build the model and recommend new headlines and **tweepy (Python library)** to tweet out new headlines.

### Supervised Machine Learning Comparison

- Analyzed six supervised machine learning models on eight different datasets on three performance metrics to find the most optimal model
- Random Forest (RF), LogReg, KNN, Decision Trees, Perceptron, and SVM** models, with **accuracy, ROC, and F1** performance metrics.

### Small Town, Better Yelp Reviews?

- Used the **Yelp API** and **Population Density API** to find correlation whether smaller towns lead to better yelp reviews.

## EDUCATION

### University of California, San Diego

La Jolla, CA | September 2018 - June 2022

B.S. in **Cognitive Science** specialization in **Machine Learning** and **Neural Computation** and minor in **Computer Science**

Major GPA: **3.873** | Overall GPA: **3.441**

## TECHNICAL SKILLS

### Software Engineering & Machine Learning:

Java | C | C++ | Python | HTML | CSS | Javascript | PANDAS | Unity | C# | MongoDB

### Project Based Learned Skills:

Microsoft Office | LINUX/UNIX | Jupyter Notebook | Github | AutoCAD | Figma | UI/UX design | Particles.js | Jenkins