

Education

Los Angeles, CA	University of Southern California	December 2021
<ul style="list-style-type: none">• B.S. Computer Science and Business Administration, Junior. <p>Coursework: Data Structures, Object-Oriented Programming, Algorithms, Software Engineering, Artificial Intelligence, Discrete Math, Business Statistics.</p>		

Experience

Software Teaching Assistant Los Angeles, CA	USC Viterbi School of Engineering	Aug 2020 – Present
<ul style="list-style-type: none">• Course Producer (undergraduate TA) for CSCI 201: Principles of Software Development (Java).• Hold office hours and develop coursework for 200+ students.• Grade labs and programming assignments.		
Software Engineer, Intern Remote	US Department of Defense	Jun 2020 – Sep 2020
<ul style="list-style-type: none">• Employed by the National Security Innovation Network for the X-Force Fellowship program.• Created a Unity application for Marine Corps Air Station Miramar that replays training data in a 3D environment for mission debriefing.• Designed desktop standalone that inputs GPS and weapon orientation data to be simulated with the Google Maps API and C#.• Developed a proprietary time-syncing file management tool in Python.		

Projects

Synthetic Dataset Generator (ongoing) Python, Sklearn, Pandas, Unity		
<ul style="list-style-type: none">• Building a tool to generate and automatically tag large, diverse training datasets for machine learning inference.• Reduces cost and increases speed of ML algorithm development where available ground-truth training data does not cover the full range of conditions the ML agent will encounter.		
Instagram Spam Detector	Python, Numpy	
<ul style="list-style-type: none">• Predicts with up to 90.33% accuracy whether an Instagram account is spam or not, learning from Kaggle datasets.• Implemented a Naïve Bayes classifier, optimized with Laplace smoothing and gaussian distribution for continuous features.		
Stock Portfolio Manager	HTML/CSS, Bootstrap, Javascript, Java, Firebase	
<ul style="list-style-type: none">• Built a portfolio management and tracking application. Part of CSCI 310 group project.• Recent stock information retrieved from APIs for continual updates and analysis.• Created JUnit and Selenium testing scripts for black and white box testing.		

Skills

Languages: Python, Java, C#, JavaScript, SQL, noSQL
Frameworks/libraries: Scikit-learn, Pandas, Numpy, JUnit, Mockito, Servlets
Technologies: Firebase, Google Cloud Platform, Amazon Web Services, Unity, Git, Agile development