

Randall Williams

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WORK EXPERIENCE

Chevron – Software Engineer Feb 2021 – Present
San Ramon, CA

Air Force Research Laboratory – Software Engineering Intern Jun 2021 – Aug 2021
Colorado Springs, CO

- Appointed Scrum Master for a 12-person team, facilitating sprint planning to quantify weekly goals
- Decreased orbital calculation upload time by 20x, from 5 minutes to 15s, by automating API requests
- Built a hardware management system with JavaScript and Flask to simplify office device tracking

USC Viterbi School of Engineering – Software Teaching Assistant Aug 2020 – May 2021
Los Angeles, CA

- Course Producer (undergraduate TA) for CSCI 201: Principles of Software Development (Java)
- Held weekly office hours and graded coursework for 200+ students

US Department of Defense – Software Engineering Intern Jun 2020 – Sep 2020
San Diego, CA

- Created Unity application for Marine Corps Air Station Miramar that replays training data in a 3D environment
- Designed desktop standalone that inputs GPS and orientation data to be simulated with the Google Maps API and C#
- Developed a proprietary time-syncing file management tool in Python to ensure data integrity

PROJECTS EXPERIENCE

Inventory Management System 2021

- Built a full stack web application to track office supplies, using Flask, Bootstrap, Ajax/JQuery and SQLite
- Integrated password hash and salting, and asynchronous updates via Ajax polling

Stock Portfolio Dashboard 2020

- Built a portfolio management and tracking application with live market updates via asynchronous API polling
- Salted and hashed accounts stored on Firebase
- Wrote JUnit and Selenium testing scripts for black and white box testing

Instagram Spam Detector 2020

- Predicts with 90.33% accuracy whether an Instagram account is spam or not, using a naive Bayes classifier in Python

SKILLS & INTERESTS

Languages: Python, Java (proficient), Javascript, SQL, noSQL

Frameworks/technologies: Flask, Bootstrap, Firebase, Heroku, NumPy, scikit-learn, pandas,

Interests: Theology, Philosophy, Powerlifting, Space Exploration, Hiking

EDUCATION

University of Southern California, Viterbi School of Engineering December 2021
Bachelor of Science in Computer Science and Business Administration
GPA: 3.51/4.00, Cum Laude