Connor Collins

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EDUCATION

BS Computer Science, Oregon State University   Sep 2023 - Exp Jun 2026

- 4.0 major GPA

BSc Finance, Santa Clara University   Sep 2017 - Jun 2021

- Management Information Systems minor | magna cum laude | Honors Program

EXPERIENCE

KPMG | San Francisco, CA   Sep 2021 - Present

Senior Cybersecurity & Technology Risk Consultant

- Worked with Systems team of Fortune 15 technology company, supporting eight accounting groups to build and maintain SQL driven revenue reporting processes using Google Plx Scripts and BigQuery
- Improved transformation efficiency of ETL pipelines by cleaning up queries, reducing resource load by 30%
- Led the development of several key financial modeling workflows that synthesized billions of records to perform fluctuation analysis and forecasting, visualized with Google Plx Dashboards and Tableau

Associate Technology Consultant

- Coordinated schedule change migration for 475 workflows across entire business unit, constructing dependency mapping and leading QA testing for changes in development environment
- Automated 10 hours per month of journal entry validation that was previously done manually with Excel

PROJECTS

Personal Website

- Created personal portfolio website using React frontend and Node.js backend, deployed on Vercel
- Contains UI form for Southwest Flight Price Tracker, and communicates with MongoDB via RESTful API

Southwest Flight Price Tracker

- Developed a Python script to scrape Southwest flight prices, alerting users via email if the flight has dropped below their originally paid price (so that it can be rebooked)
- Utilized Selenium for scraping, and Vercel Cron Job to schedule daily script execution

Undergraduate Honors Thesis

- Built a predictive stock trading model with Python that outperformed the Dow Jones Industrial Average within a 0.07 p value, using a TF-IDF matrix, Support Vector Classification, and Logistic Regression
- Created a NLP sentiment analysis algorithm and trained model on six months of Twitter data and Dow Jones component return history, with testing performed on one month

Garden Simulation Game

- Designed gardening simulator using JFrame, utilizing Object Oriented Programming principles to model relationships between plant growth, pest management, and soil health
- Implemented bug-plant interactions and fertilizer effects within a dynamic simulation environment, leveraging real-time user inputs

SKILLS

Highly skilled and proficient in: Python, Javascript, Typescript, SQL, HTML, CSS
Working knowledge: Shell Scripting, Java
Frameworks/libraries/tools: Pandas, Numpy, Matplotlib, React, Node.js, Express.js, jQuery, JFrame