

JACOB SOMER

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EXPERIENCE

Kapwing

Software Engineer Intern

August 2022-Present

San Francisco, CA

- Fixed a python error that resulted in a 5 percent improvement in one of Kapwing's heavily used apis.
- Implemented full-stack changes to add search and rename functionality for videos stored in the cloud.
- Wrote performant frontend code that cut the render time of Kapwing's landing pages in half.

Atlassian

Software Engineer Intern

May 2022 - August 2022

San Francisco, CA

- Implemented, designed, and tested multiple features for Confluence Tables in front-end
- Worked closely with Data Scientists to find ways to improve table visualisation and usability

Amazon

Software Development Engineer Intern

January 2022 - May 2022

Seattle, WA

- Delivered mobile feature to production using Swift, Kotlin, and React Native
- Worked with back-end team to ensure api calls were ready to be used by millions of devices

Fidelity Investments

Software Engineer Intern

June 2021 - August 2021

Boston, MA

- Developed, tested, and implemented a Java project to automate the process of providing real-time usage (over a million login requests per day) to hundreds of enterprise level customers

TECHNICAL SKILLS

Programming

Java, Python, JavaScript, C++, C, Swift, Kotlin

Web Development

Node.js, React.js, AWS, Spring, Django, Google Cloud

Mobile

Android, iOS, React Native

AI/ML

Tensorflow, PyTorch, Numpy, Pandas, Tensorflow.js

EDUCATION

The College of William & Mary

Graduating Spring 2023

Major in Economics with a minor in CS

PROJECTS

AlphaGo Lite

Two-Person Project

May 2021-Present

- Built a multiplayer GO game with React.js and Django to play with friends
- Implemented game logic and chat room using web sockets with Django Channels, Redis, and Docker
- Built a lightweight version of the AlphaGO game-playing AI using tensorflow and numpy

Google Trends and Unemployment

One-Person Project

January 2021-Present

- Achieved 2.8 mean average percentage error when forecasting unemployment at the one month horizon

Modern Portfolio Theory and LSTMs

One Person Project

December 2020-January 2021

- Wrote algorithm to optimize asset portfolio using Deep Learning-based approach
- Implemented multi-threaded python automation script to collect market data and execute trades