Nick Swanson

San Francisco | nickswanson85@gmail.com | linkedin.com/in/nickswanson15 | github.com/nickswanson15

EDUCATION

BS, Computer Science — GPA: 3.60 / 4.00
University of Oregon Honor's College — *2020 - 2024*
Awards: Dean's List, Summit Scholarship, AP Scholar with Honor
Related Coursework: Algorithms, Data Structures, Operating Systems, Software Development, Statistics

TECHNICAL SKILLS

Languages: Python, JavaScript, C/C++, SQL
Technologies: React.js, Node.js, Express.js, GraphQL, MongoDB, Git, Linux, Amazon Web Services

EXPERIENCE

Blockchain Engineer — February 2022 - Present
Oregon Blockchain Group

- Developed a comprehensive developer guide for Lit Protocol, detailing the process of recovering Programmable Key Pairs using Lit Actions, enhancing developer experience and adoption.
- Consulted an early stage AI startup by conducting UX/UI research and performing prompt engineering to refine product design and improve user interaction strategies.
- Deployed a smart contract on the Ethereum blockchain that allows users to mint, send, and burn tokens.

Software Engineer Intern — June 2023 - August 2023
Squadz Inc. — *San Francisco, CA*

- Developed data mining software in Python that successfully captured over 50,000 prospects from public databases. Resulted in a significant boost in potential customers and contributed to company growth.
- Enhanced Squadz website by creating frontend components and developing user profile functionality with Next.js, resulting in an increase in user engagement.

Software Engineer Intern — September 2021 - December 2021
Hubble Financial — *San Francisco, CA*

- Improved Hubble Financial's website by developing a client portal which led to the acquisition of new clients and increased site traffic by 15%.
- Worked with JavaScript and Express.js to implement client portal functionality.
- Performed unit testing on backend code and refactored codebase to improve performance.

PROJECTS

Twitter Clone | *React.js, Express.js, MongoDB, Stripe API*

- Developed a clone of Twitter in order to gain experience building large-scale, full-stack applications.
- Users can register for an account, login, post tweets, view other tweets, follow other users, and more.
- Built with React.js, Express.js, and MongoDB. Implemented Stripe API for payment processing.

Sorting Algorithm Visualizer | *JavaScript, Figma*

- JavaScript web application that visualizes sorting algorithms.
- Implemented Bubble Sort, Quick Sort, Merge Sort, and Insertion Sort.

Youtube to Spotify Automation | *Python, REST API's*

- Python script that automates the process of transferring Youtube playlists to Spotify playlists.

Multithreaded Packet Driver | *C, Git*

- Multithreaded packet driver that sends packets to a network and receives packets from a network.

PUBLICATIONS

The Evolution of API Architectures; REST & GraphQL.