Nick Swanson

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EDUCATION

BS, Computer Science   GPA: 3.70 / 4.00
University of Oregon Honor's College   *Sept. 2020 – June 2024*

Awards: Dean's List, Summit Scholarship, AP Scholar with Honor
Relate 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, AWS

EXPERIENCE

Software Engineer Intern   June 2023 – Aug. 2023
Squadz Inc.   *San Francisco, CA*

- Developed data mining software in Python that successfully captured over 50,000 prospects from public databases. Resulting 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   Sept. 2021 – Dec. 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 (backend framework) to implement client portal functionality.
- Performed unit testing on backend code and refactored codebase to improve performance.

Blockchain Engineer   Feb. 2022 – Present
Oregon Blockchain Group

- Created a smart contract in Solidity that mints and burns tokens on an Ethereum testnet.
- Created a system design overview of the Coinbase Wallet.
- Consulted an early stage AI startup by conducting UX/UI research and performing prompt engineering.

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*

- Created a multithreaded packet driver in C that sends packets to a network and receives packets from a network.
- The packet driver acts as an intermediary between the application and the network device.
- Used PThreads and constrained resources to maximize concurrency.