

Sean Lam

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Technical Skills

C#, Java, TypeScript, JavaScript, Python, C, Microsoft SQL Server, React, .NET, MVC, AWS, Terraform, CI/CD, Jenkins, Git/Github, ElasticSearch, Docker, Jira, OpenAPI

Experience

Software Engineer | Rev.com – Rev AI Aug. 2021 – Present

- Secure 5 new logos by building Language Identification API to detect most probable language being spoken in audio and top 4 alternatives
- Demonstrate ownership by becoming the DRI and POC for project, triaging errors and formulating bug fixes
- Coordinate with Product Managers to design and ship features in all states of the product lifecycle to satisfy customer needs
- Document API's using modern OpenAPI spec and consult new customers on best practices when integrating with SDK's, boosting adoption by 20%
- Built consumer-facing pages in scalable React web application and took initiative to surface and fix existing flaws

Software Engineer Intern | Rev.com – Rev AI Jun. 2021 – Aug. 2021

- Launched features and designed database schema to allow users to seamlessly rotate API access tokens
- Enhanced user experience flow by improving interface for creating, deleting, and regenerating tokens
- Terraformed and deployed environment for training AI models on consistent stream of real world data, achieving increased overall accuracy of model by over 7%

Full Stack Engineering Intern | Anytrek Corporation Jun. 2019 – Aug. 2019

- Streamlined business processes by automating orders and payments through online portal
- Implemented core functionality of the Internal Management System including order and invoice handling
- Utilized modern frameworks to create a more versatile and interactive user experience

Academic Intern | UC Berkeley CS61B Course Staff Jan. 2019 – Mar. 2019

- Supported over 1000 enrolled students by assisting in coursework, lab, and conceptual understanding of Java, unit testing, data structures, runtime analysis, and basic algorithms

Projects

Pintos Feb. 2021 – May 2021

- Expanded existing Pintos operating system by designing and building new functionality such as processing user programs, system calls, priority scheduling of threads, and an efficient file system using C
- Facilitated efficient collaboration and teamwork by organizing responsibilities and communication within a team

MOOCbase Sep. 2020 – Nov. 2020

- Developed a functioning relational database using Java and knowledge gained from Database Systems course
- Involved various parts of a database such as B+ trees, Relational Algebra, Joins, Query Optimization, Concurrency
- Gained valuable skills in data systems and further improved my algorithmic thinking

Trip Planner Nov. 2018

- Created a graph API using Java data structures and algorithms such as BFS, DFS, Dijkstra's, and A*
- Utilized the graph package to design a trip planner to find the best route between two cities

Education

University of California, Berkeley | Berkeley, California Aug. 2017 - May 2021

Bachelor of Science – Electrical Engineering and Computer Science | GPA – 3.41 | Regents' and Chancellor's Scholar

Relevant Coursework – Data Structures, Computer Architecture and Machine Structure, Discrete Math and Probability Theory, Algorithms, Principles and Techniques of Data Science, Computer Security, User Interface Design and Development, Database Systems, Operating Systems and System Programming, Artificial Intelligence