Vincent Myint

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EDUCATION

University of California, Berkeley – Berkeley, California May 2025
Bachelor of Arts in Computer Science
Relevant Coursework: Data Structures & Algorithms, Discrete Mathematics, Probability Theory, Fundamentals of Data Science, Efficient Algorithms, Computer Architecture, Operating Systems (IP), Database Systems (IP)

Relevant Experience

Software Engineer Intern December 2023–Present
OurCo
● Built AWS Lambda functions to trigger notifications to subscribed users and communities utilizing FireBase's post-notification alert
● Designed GraphQL schemas for communities and users on the OurCo platform–writing any SQL queries and GraphQL pipeline resolvers responsible for any CRUD operations
● Resulted in 60% less app latency by streamlining database operations and fetching data across different PostgreSQLtables from a single GraphQL endpoint

Contract Software Engineer August 2023–December 2023
Cloud at California | MSK Cancer Research Center
● Deployed MSK's blood and bone marrow cell-tiling web tool to AWS Amplify and integrated backend functions with AWS Lambda to decrease overall image preparation latency by 80%
● Strengthened the security of MSK's web tools by integrating user authentication features with advanced IAM methods
● Migrated MSK research tool to a serverless infrastructure by deploying their containerized application onto Amazon Fargate
● Developed a web application to tile blood cells and bone marrow and classify individual cells from 23 harmful categories

CS61A Academic Intern June 2023–August 2023
University of California, Berkeley
● Assisted students at labs and office hours for classes of 1000+ students on homework, labs, and projects
● Prepared course material on recursion, object-oriented programming, interpreters, SQL, and Scheme

Projects

Moodify - MongoDB, ReactJS, Flask July 2023
● Developed a web application that analyzes the lyrical meaning of songs based on AI-based interpretations
● Designed REST APIs in a programmatic pipeline that fetches songs in mp3, and wav. formats from GeniusAPI, and extracts the speech prosody and emotional analysis of songs from HumeAI
● Integrated OpenAI's API by engineering tailored prompts to generate lyrical meanings of songs with context from HumeAI

BearStudy - MongoDB, Express, NodeJS, ReactJS April 2023–March 2023
● Developed a website using MERN stack for Berkeley students to study in virtual lounges representative of Berkeley's campus
● Implemented customizable widget tools like a Pomodoro timer, task list, and sticky notes to increase productivity for students

Pokémon Game - Java February 2023–March 2023
● Created a Pokémon game with pseudo-random world generation using a graph-based implementation and leveraged classes to create customized sprite movement and gameplay mechanics including item interactions and battle scenes
● Implemented a feature where an enemy Pokémon chases the player using various single-source path algorithms including Dijkstra's Algorithm

Spam Email Classifier - Pandas, NumPy, Scikit-learn January 2023–April 2023
● Built and trained a logistic regression classifier using Scikit-learn to classify emails as either spam or not spam, achieving a test accuracy of 90%
● Developed a real-time email pipeline and integrated it with a production email system to automate filtering

Skills & Technical Tools

Languages/Frameworks: Python, Java, SQL, C, Java/TypeScript, React, HTML/CSS, Assembly
Tools: Git, AWS, GCP, Docker, Express, MongoDB, Flask, Django, Pandas, NumPy, Matplotlib, Scikit, Firebase