

Anmolpreet Kaur

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EDUCATION

University of California, Los Angeles (UCLA)

B.S. in Computer Science, 2023

Relevant Courses: Data structures and algorithms, Software Construction, Machine learning and data science, Probability and Mathematical Statistics, Data Managements, Data Analysis and regression

Programming Languages: C++, Python, Java, JavaScript, Node.js, R, C, SQL, HTML, CSS, Golang, Swift

Technologies & Tools: Docker, Jupyter Notebook, Google Cloud, Git, PostgreSQL, MySQL, Hadoop, linux

EXPERIENCE

Software Engineer Intern | Javascript, React, SQL

Claysol media labs

Aug 2023 - April 2024

- Designed and developed reusable UI components using React + Javascript for the billing module used by customers.
- Back-end development using Java and Spring Boot to create class object representations of the data models and implement the corresponding server logic and RESTful APIs that meet performance constraints.
- Executed database CRUD operations in Microsoft SQL Server by running SQL stored procedures in Java.
- Developed controller logic for client-server communications in Javascript that dispatches and re-renders five view controls at the same time as the data models change.
- Examined script bundle loading using Fiddler and improved script loading time from 2s to 1s by optimizing script dependency.
- Utilized Chrome DevTools for memory leak debugging and prevent 20MB memory leak whenever components are unmounted.

Software Engineer Intern | Javascript, Python, SQL

Contec LLC

Aug 2023 - Dec 2023

- Created an end-to-end food delivery system using Dialog Flow for natural language processing, javascript for frontend, Python, and FastAPI for backend development.
- Demonstrated expertise in building scalable conversational AI applications and integrating them with backend systems using MySQL for database management.
- Reduced average response time for user queries in the food delivery system by 30% through efficient API design and database query optimization.

Backend Developer | Node.js, MongoDB

UCLA Creative Labs: [demo](#)

Sept 2021 - Mar 2022

- Developed a web based Mental Health platform spanning 3 universities and 30+ counselors.
- Implemented RESTful APIs using Node.JS that ran CRUD operations for counselors profiles stored in MongoDB.
- Used webSockets to allow real time synchronization of features including chatting and scheduling.

PERSONAL PROJECTS

C++ Web Wombat | C++, google cloud, docker

Jan 2023 - June 2023

- Instantiate a web server using C++, boost library, docker, nginx and deploy it using google cloud.
- Other features include multi-threading, code design and code testing(unit and integration).

Dinr Website | React, Node.js, MongoDB

Sept 2021 - Dec 2021

- Developed a meal scheduler using React, Node.js, and MongoDB for UCLA's campus dining.
- Users create accounts to customize meal times and places, with the option to sync schedules with friends for coordinated dining experiences.

TikTwist | Typescript, Appwrite

Sept 2023 - Dec 2023

- Developed a video sharing platform using typescript with user authentication for data security and database management, leveraging AppWrite backend services.