

Alex Kumar

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Education

University of California, Irvine

B.S. Computer Science. GPA: 3.1

September 2017 — April 2021 (expected)

Relevant Coursework:

Data structures and algorithms, Operating Systems, Networks, Relational Databases, Full Stack Development, Information Retrieval, Artificial Intelligence, Programming Languages, Software Engineering Techniques

Experience

Walmart Global Tech

Sunnyvale, CA

Software Development Engineer II - Last Mile Delivery Team

July 2021 — Present

- Worked on template creation for stores to be able to create ranges of prices for drivers to deliver
- Produced metrics on product by running with as many as 200 virtual users using Automaton
- Assisted with deployment of product and debugged issues regarding order and driver scheduling

Young's Market Company

Tustin, CA

Software Development Intern

August 2019 — October 2019

- Created an automated bot in Python to debug REST API calls on the Warehouse Management System
- Debugged order faults in the system using Oracle SQL — lead to 30% faster detection of faulty orders
- Converted SQL data from Warehouse Management System to Excel sheets and reported faulty data to team

Course Tutor at University of California, Irvine

Irvine, CA

Tutor for Intermediate Programming

January 2021 — April 2021

- Assisted 50 students in labs with programming homework and any other questions regarding coursework
- Reported feedback to professor every lab section with what wasn't understood well in the course altogether
- Helped teach topics such as data structures, algorithms, Regex, recursion, classes and operator overloading

Projects

Group Greenery

devpost.com/software/group-greenery

- Worked in a team of 4 to develop a webapp that encourages community gardening by connecting neighbors
- Integrated Twilio API to notify users for weekly updates on shared gardens using Node.js and JavaScript
- Set up user login authentication using Firebase Authentication and OAuth on GCP
- Winner of Best Hack Code Green, Honorable Mention for Best Hack using an Autonomous Database

Movie Catalog

Private Repo

- Built a full stack web app built as a class project to help users find and purchase movies
- Built API endpoints for the website to retrieve data from the backend (MySQL) using Tomcat Web Servlets
- Set up cookies and sessions for login and load balancing for scalability with both AWS and GCP

Search Engine

Private Repo

- Worked in a group of 3 to make a search engine that queries through the UCI computer science catalogue
- Built an inverted index for querying using Regex for tokenization — lead to query results under 300ms
- Incorporated cosine scoring of length-normalized vectors for page ranking using Scikit-Learn

Skills

Languages: Python, C++, Java, HTML, CSS, JavaScript, SQL

Frameworks/Technologies: Flask, Scikit-Learn, Git, AWS, GCP, Node.js, React, XML, Android Studio, VS Code