Alex Kumar

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Education

University of California, Irvine *September 2017 — April 2021 (expected)*
B.S. Computer Science. GPA: 3.1

Relevant Coursework:

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

Experience

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 by checking orders using Oracle SQL — lead to 30% faster detection of faulty orders and resolutions
- Converted SQL data from Warehouse Management System to Excel sheets and reported faulty data to team

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
- Designed and developed an Android UI app using Android Studio and Java

CrackFic

https://rb.gy/lvwpl8

- A website that allows users to choose a genre and title of story and pick mad libs to fill out in the story
- A Flask application that scrapes stories from a website and generates mad libs using Beautiful Soup 4
- Optimized speed by 20% for querying using stored metadata of genres

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