

KYLE KHUONG-BUI

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EDUCATION

University of California, Irvine

GPA: 3.54

Bachelor of Science in Computer Science

June 2022

Coursework: Data Structures, Design and Analysis of Algorithms, Information Retrieval, Database Management(SQL), Computer Networks, Project in Databases and Web Applications, Software Engineering

EXPERIENCE

Software Engineer Intern

Jan 2021 – June 2021

Sencha Credit

Remote

- Increased user security by integrating NuID Authentication API
- Improved user login and registration by streamlining sign up process for first time users
- Conducted testing and debugging of software to eliminate bugs and comply with development standards

Computing Consultant

April 2019 – Sep 2020

Paul Merage School of Business, MerageTech

Irvine, CA

- Collaborated with the full-time tech support department at the Paul Merage School of Business to maintain the efficiency of classrooms and hardware within the school
- Installation and configuration of hardware and software for students, staff, and faculty
- Addressed student and faculty service requests and calls

PROJECTS

Fabflix | *MySQL, AWS, GCP, JDBC, Apache Tomcat, HTML/CSS, Java, JavaScript, jQuery, Ajax*

- Developed a web application similar to Netflix to view, filter, search, and purchase popular movies
- Implemented on AWS and GCP, features include XML Parsing, User Encryption, and a compatible Android application
- Increased scalability and security by implementing recaptcha, cookies, and load balancing via master-slave instances

mediText | *Python, Flask, Twilio*

- Developed a web application intended for hospital use
- Implemented drug and patient verification to ensure the right prescription is being prescribed to the right person
- Utilized Twilio API to set up text reminders for patients to take their prescription
- Completed application with patient and doctor authentication

Web Crawler and Search Engine | *Python, BeautifulSoup*

- Created a web crawler that abides by industry standard of being polite, avoids dead websites and traps, and filtering out websites that have little or no information
- Utilized BeautifulSoup to handle HTML parsing, sim hash function for check for similar content
- Implemented a search engine from the information gathered that is capable of handling over 15,000 pages and retrieves responses in under 70 ms
- Search engine returns the top N most relevant results matching the query by utilizing Google's PageRank algorithm, N-gram indexing and cosine similarity

Spotify Clone | *Angular, Node.js, Express, Spotify API*

- Recreated Spotify web application with Express/Node.js backend to communicate with the Spotify API
- Utilized Spotify API to populate the user's profile page, browse songs, albums, and artists
- Increased user accessibility by implementing hand gestures with the use of Handtrack.js library

SKILLS

Languages: Python, Java, C/C++, JavaScript, SQL (MySQL), HTML/CSS

Frameworks & Tools: React, Angular, Node.js, Flask, JUnit, Git

Technologies: AWS, Google Cloud Platform, MongoDB, MySQL