

Kelly Huang

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Education

University of California, Irvine

Bachelor of Science in Computer Science

Expected Graduation: June 2023

Awards: Dean's List Honoree Fall 2018, Winter 2018

Skills

- **Languages:** Python, Java, SQL, C++, C, MIPS, HTML, CSS, Kotlin
- **Tools:** Git, Docker, REST API, Django, MySQL, Spring, React, gRPC, Agile, Jira, sklearn

Work Experience

Student Software Developer

University of California, Irvine

Jan 2022 – Present

- Developed applications using Spring and Java to help Graduate Division run daily operations
- Worked with clients to generate SQL queries to resolve issues in the financial aid database
- Practical experience with SCRUM/AGILE methodologies using 1 week sprint, participating in Sprint planning, Daily stand-up, Sprint review, and Sprint retrospective.
- **Projects:** MS SQL 2019 migration, Maven to Gradle migration on Grad Division applications
- **Tools:** Eclipse, GitHub, Jira, Jenkins, Spring, Gradle, Maven, Zena, Tomcat, Apache, Linux, MS SQL 2019, Windows Server, ServiceNow.
- **Programming Languages:** T-SQL, Java

Software Engineer Intern

Udemy

June 2022 - Sept 2022

- Built and released full stack applications using React and Python, using the Django framework
- Brought forth extensive experience developing APIs using gRPC and Kotlin microservices
- Developed unit and integration test scripts to ensure proper validation of code
- **Projects:** Automated manual processes such as coupon creation and cache clearing, reducing the operation time for these tasks by 80%
- **Tools:** Eclipse, Github, Jira, Agile Methodologies, Jenkins, gRPC, Unit/Integration testing, Redis, Docker, React, MobX
- **Programming Languages:** Python, Kotlin, Javascript, HTML, CSS, MySQL

Projects

- **VibeCheck** <https://github.com/huangk430/vibecheck>
 - Web Application developed with Python, Django, and OAuth2.0
 - Uses Spotify REST API to get user's top tracks & artists to generate song recommendations
 - The creation of this app further developed my experience with full stack app development
- **FabFlix** <https://github.com/huangk430/FabFlix>
 - E-commerce web application that allows customers to search for and purchase movies
 - Uses Spring framework, Java, and Stripe API to manage checkout and payment of movies
 - This design uses microservices, identity management, React, JDBC, and API gateway
- **Web Search Engine** <https://github.com/huangk430/search-engine>
 - Web search engine built with Python, with the BeautifulSoup and NLTK libraries
 - Utilizes partial indexing to reduce query time, resulting in an average response of under 300ms
 - Capable of handling 10,000+ web pages, under harsh operational constraints