

Soobin Woo

Orange County, CA | (714) 620-9213 | soobinw@uci.edu
<https://soobinw.github.io/>

EDUCATION

UNIVERSITY OF CALIFORNIA, IRVINE

B.S. Computer Science

Irvine, California

Graduated June 2022

- Academics: GPA: 3.6
- Awards/Honors: Dean's Honor List (2018 Fall - 2020 Spring)
- Relevant Coursework: Intermediate Programming (Python), Programming in C/C++, Intermediate Data Structures and Algorithms, Information Retrieval, Design and Analysis of Algorithms, Projects in Databases and Web Applications

SKILLS & LANGUAGES

- Programming: Python, C++, Java, HTML/CSS, SQL/SQLite, Javascript, JQuery, Typescript, AJAX, XML
- Tools/Frameworks: Git, AWS (EC2), Jupyter, Numpy, Matplotlib, Firebase, Tomcat, MongoDB, JDBC
- Languages: English and Korean
- Skills: Procreate, Lightroom

EXPERIENCE

Fabflix : Full Stack E-commerce Movie Site

September 2021 - January 2022

- Implemented and deployed a full-stack web application with multiple functionalities such as user login, browsing, and searching, and purchasing movies through a remote server (Java, HTML, CSS, JQuery, SQL, AWS, JDBC, Tomcat)
- Executed scaling to serve high traffic through master-slave replication and load balancing across multiple AWS EC2 instances that improved application performance by 30%
- Minimized average query times to under 1 second utilizing substring matching methods and connection pooling
- Developed accompanying Android application with Android Studios

TrackEvry : UCI Hacks Project

March 2021

- Implemented a to-do list web application that allows users to create and categorize multiple lists showcasing in-progress and completed items (HTML, CSS, Python, Flask, Firebase)
- Worked as full stack developer using Firebase to develop database functions such as creating/updating tasks and created Flask endpoints that allowed the entry of task information from the frontend

X Marks The Spot : LA Hacks Project

March 2021

- Developed Flask-based web application (similar to that of Yelp) that displays an interactive map with local markers allowing users to search and insert new markers to a specified location (HTML, CSS, Javascript, SQLite, Google Maps API, Google Autocomplete API)
- Worked primarily as frontend developer to integrate Google Maps and Google Autocomplete APIs into our interface making the submission of a marker entry on the map functional and displaying images and tourist attraction information

Search Engine : Information Retrieval

September 2020 - January 2021

- Implemented web-based search engine from scratch utilizing web crawling and inverted indexing (Python, BeautifulSoup)
- Worked with team of three to maximize search efficiency to handle 5000+ web pages with execution response times under 200ms

WORK EXPERIENCE

Smile Blossom Korean Boutique

Garden Grove, California

Store Head Employee, Website Management

November 2017-Present

- Took initiative to transition small business online which included taking 100+ product photos, updating web content descriptions, and updating business inventory through online database
- Cooperated with web developer and utilized HTML, CSS and Javascript to refine the website's frontend to be consistent and cohesive with the store owner's vision and brand identity