

## Technical Skills

*Languages & Databases:* Java, Javascript, Python, C++, HTML / CSS, MongoDB, SQL

*Frameworks & Tools:* React, Node.js, Flask, Spring, Express.js, Git, AWS, JUnit

*Skills:* Object-Oriented Programming, REST APIs, Full stack, Frontend, Backend, Data Science, Testing

*Knowledge:* Cloud Platforms, SW Development Lifecycle, Testing, Mobile Development, Web Development Framework

## Education

**University of Southern California, Viterbi School of Engineering** - Los Angeles, CA

Aug 2021 - May 2025

*Bachelor of Science: Computer Science & Business Administration*

GPA: **3.81**

*Minor: Artificial Intelligence Applications*

- *CS Coursework:* Statistics, Data Structures, Software Development, Algorithms, C++, Python, AI

## Work & Experience

**USC Viterbi School of Engineering (Computer Science)**

Aug 2023 - Present

*Course Staff*

Los Angeles, CA

- Prepared homework material to help students **master key algorithms concepts** including graphs, dynamic programming, greedy algorithms, and NP-completeness.
- **Worked Collaboratively with professor** and staff to refine course content to match appropriate difficulty level for course standards
- Explain advanced concepts in computer algorithms to students and provided constructive feedback to **increase scores** and provide **support to nearly 300 students**

**USC Joint Educational Program**

Aug 2023 - Present

*Computer Science and Python Instructor*

Los Angeles, CA

- Displayed leadership to student-teachers to plan and create lesson plans for 15-20 K-12 students to **learn Python and CS**
- Taught weekly lessons about **fundamentals of Python** programming, such as loops and functions
- Provided one-on-one mentorship during coding activities to assist struggling students and encourage advancement

**Radiant Nails**

May - Sep 2023

*Full Stack Software Developer*

Midvale, UT

- **Increased appointment scheduling rates 10%** by developing a **personalized** appointment scheduling system and website for a local business from product specification meetings to app deployment and management
- Employed modern technologies such as **Javascript, Node.js, Express.js, and MongoDB** to **design an API** for managing and reading appointment data to an analytics dashboard to visualize the success of services and areas for growth
- **Analyzed client and user needs** to determine design and implementation to ensure feasible project completion which ultimately **reduced appointment scheduling times** for the business by around 60%

## Software Projects

**Diabetes Detection (Machine Learning)** | Python, Pandas, SciKitLearn

Sep 2023

- Developed classic machine learning algorithms to analyze patient data and predict if someone will have diabetes
- Utilized Pandas Dataframes, and several other Python Libraries to analyze, plot, and make predictions

**Plan My Day (Route Optimization Trip Planner)** | Android, Java, Google API, JUnit

Sep 2023

- Followed practices of iterative development to implement a route optimization **android** app to plan trips
- Integrated Maps SDK and **Google Maps API** for Android to display interactive maps and directions
- Leveraged knowledge of testing and **JUnit** to validate functionality and publish a production quality mobile application

**Roomiez (Roommate Organization WebApp)** | React, Java, SpringBoot, SQL, AWS

Feb - Apr 2023

- React and SpringBoot full stack project to create and **test** web application to manage roommates and tasks
- Utilized skills in **Java, SpringBoot, Hibernate, React, and SQL** to design app infrastructure and create a multi-platform application to handle **user authentication** as well as tasks specified by users
- Leveraged knowledge of cloud computing by using **AWS** to deploy both the react and Spring applications

**Food Finder (Recipe Search Web Application)** | Python, Flask, Pandas

Feb 2023

- Developed web application to find food recipes based on users' needs (calories, ingredients, etc)
- Applied skills in **Pandas, Flask, Python, HTML and CSS** to streamline the process of searching through thousands of recipes, managing large data sets, and displaying them in an convenient application **decreasing search times by 90%**

*Interests:* Software Engineering, Information Technology, Music, Piano, Dancing, Electric Cars, Gym