

Jeff Hwang

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EDUCATION

University of California, Riverside

Riverside, CA

Bachelor of Science in Data Science

Aug. 2020 – June 2025

- GPA: 3.4/4.0
- Relevant Coursework: C++ Programming, Data Structures and Algorithms, Data Analysis Methods, Discrete Mathematics, Applied Linear Algebra, Multi-variable Calculus, Software Construction, Introduction to Software Engineering

TECHNICAL SKILLS

Front End: JavaScript, HTML/CSS

Back End: C/C++, Python, Node.js, Express.js, MongoDB

Developer Tools/Libraries: Git, npm, pandas, Numpy, Matplotlib, VS Code, Linux

EXPERIENCE

Patient Transporter

July 2021 – April 2022

Alhambra Hospital Medical Center

Alhambra, CA

- Safely transported inpatients and emergency room patients for CT scans and X-Rays within the radiology department
- Effectively communicated with nurses, respiratory therapists, and the healthcare team to efficiently bring patients up and down floors using gurneys, beds, or wheelchairs
- Ensured proper utilization of body mechanics, positive patient/family customer satisfaction, and adhered to policies, procedures, and standards
- Managed filing patient reports and retrieving patient or medical records for physicians
- Performed cleaning, sanitizing, and disinfection in assigned areas by utilizing the appropriate cleaning methods

Engineering Intern

July 2020 – Feb. 2021

Traffic Control Engineering

Brea, CA

- Coordinated with the internal engineering team members to develop and deliver a variety of design plans
- Optimized team productivity by preparing designs and performing plan checking of traffic control, traffic signals, and signing/stripping plans
- Prepared traffic engineering designs and plans using MCAD and Google Earth
- Facilitated reviews of the product or drawing submittals during the construction phase
- Proactively updated and maintained databases and logs

PROJECTS

RateMyItinerary | [DevPost](#)

JavaScript | HTML/CSS | Node.js | Express.js | MongoDB

- Developed a full-stack web application with two other developers using Express.js as the back-end web application framework within 48 hours
- Facilitated the front-end skeleton using HTML, CSS, and JavaScript
- Utilized MongoDB to create a database allowing each user to store their own unique itinerary
- Implemented a forum allowing users to post custom itineraries, input ratings, search by keyword, and sort by location

Aerosol Concentration Predictor | [ipy nb](#)

Python | pandas | NumPy | Matplotlib

- Built a model to analyze the relationship between weather conditions and atmospheric aerosol concentrations in the Los Angeles, California region
- Performed KNN regression and KNN classifier to predict/classify nitrous oxide and particle matter levels
- Applied data cleaning and exploratory data analysis using violin, and time series plots
- Conducted leave-one-out cross-validation with train-test split to test KNN regression model