Royce Salah

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Education

Georgia Institute of Technology — Atlanta, GA
Master of Science in Computer Science — *Dec 2025*

University of California, Davis — Davis, CA
Bachelor of Science in Civil Engineering — *June 2022*

Technical Skills

Languages: Python, PostgreSQL, HTML/CSS, MATLAB, JavaScript, C++
Developer Tools: VS Code, Git, BigQuery, PyCharm
Libraries: pandas, NumPy, Matplotlib, Tensorflow, sklearn, Material-UI, React

Experience

Associate Management Analyst — July 2023 – Present
Valley Health Plan — *San Jose, CA*

- Expanded an internal tracking system instrumental for real-time data presentation, ensuring seamless integration of evolving deliverables
- Orchestrated stakeholder meetings and worked on concurrent cross-departmental projects, reallocating resources to maintain project momentum amid evolving circumstances
- Conducted meticulous document analysis, upholding compliance with accreditation standards

Web Developer — May 2023 – Sept 2023
Freelance — *San Jose, CA*

- Designed and developed a landing page with HTML and CSS, ensuring optimal cross-device functionality
- Orchestrated end-to-end creation of fully operational ecommerce platform, integrating Stripe API, Commerce.js, and React for seamless online transactions
- Collaborated closely with client to accommodate unique customization needs

Mentorship Program Manager — Sept 2021 – June 2022
American Society of Civil Engineers — *Davis, CA*

- Conducted participant studies to implement program improvement strategies which increased engagement by 40%
- Coordinated with professors and students to organize research panels, volunteer events, and careers fairs which attracted 20+ engineering firms, 700+ students, and raised $30,000+
- Spearheaded the Mentorship Program by organizing events and managing a program budget to foster professional mentorships within civil engineering

Projects

Solar Energy Forecaster | *Python, TensorFlow, pandas* — Mar 2023

- Developed a stacked solar energy forecaster with KNN, feature decomposition, gradient boosting, random forest, and deep learning regressive models to predict panel outputs from historical weather and energy data

Spotify Top Chart Analysis | *Python, PostgreSQL, Tableau, matplotlib* — Mar 2023

- Analyzed 26 million rows of Spotify Top Chart data with Python, PostgreSQL, and Tableau
- Employed data sourced from the Spotify API to uncover patterns in audio attributes that contribute to viral success

Professional Development

ETL and Data Pipelines with Shell, Airflow, and Kafka | *IBM* — June 2023
Data Structures and Algorithms Specialization | *UC San Diego* — Mar 2022
Introduction to Artificial Intelligence with Python | *Harvard* — Dec 2022