EMERSON CORONEL

emersoncoronel.com · 213-369-9894 · dev@emersoncoronel.com · www.linkedin.com/in/emersoncoronel

EDUCATION

Rice University, Houston, Texas   August 2021 - May 2024
Bachelor's in Computer Science
Programming Skills: Javascript (Node, Typescript, jQuery, Express), React, AWS/.NET/C#, Python (NLTK, Django, Pandas, PyTorch), React Native, Java, Git
Relevant University Coursework: Concurrent Program Design, Algorithmic Reasoning, Practical Machine Learning, Compiler Construction, Operating Systems, Linear Algebra, Ordinary Differential Equations
General Skills: Adobe Photoshop, Final Cut Pro, Notion, Spanish, Italian

EXPERIENCE

Software Engineering Intern   July 2024 -
Genjo.ai, Remote
- Collaborated within a small team to develop an AI-powered sales assistant, contributing across the software stack
- Led the end-to-end development of a mobile app, integrating APIs and services to deliver a smooth UX
- Developed critical features spanning AWS APIs, the admin server, and the client-facing front end
- Coordinated with backend, frontend, and product teams to ensure timely delivery high-performance solutions

Full Stack Development Intern   June - August 2023
New Direction, Tel Aviv, Israel
- Collaborated closely with company administrators to communicate ideas throughout development
- Demonstrated the ability to learn quickly, adapt to changing environments, and lead within a team
- Took initiative to lead team efforts on key projects, fostering collaboration and ensuring deadlines were met

Research Assistant   January 2023 - January 2024
Dr. Randi Martin's Lab, Houston, TX
- Provided detailed linguistic analysis on human language production using natural language processing
- Discovered, discussed, and designed solutions for non-technical researchers to improve lab efficiency
- Assisted in designing user-friendly workflows for staff, boosting efficiency and facilitating more accurate research

PROJECTS

Personal Website, emersoncoronel.com   May - June 2024
- Designed and developed a personal portfolio website front-end using React, Bootstrap, and CSS
- Utilized professional development standards concerning version control, deployment, and organization
- Created a clean component-oriented design to host creative and educational personal software projects

Messaging App and Database, Rice University, Houston, TX   August - December 2023
- Constructed a NoSQL database from scratch in Golang with concurrent Fetch API request handling
- Designed and built a Typescript/HTML5/CSS front end implementation of the NoSQL database
- Incorporated first principles programming, building complex systems without modern tools or packages

New Ranking Student Feedback Website, New Direction, Tel Aviv, Israel   June - August 2023
- Created and managed Python (Django), HTML5/CSS/JS, SQL, Google Cloud, and Git projects
- Learned the full stack structure, including backend frameworks, SQL databases, and frontend design
- Demonstrated a proactive approach to learning new tools and solving complex problems independently

Linguistic Speech Analysis Toolkit, Dr. Randi Martin's Lab, Houston, TX   January 2023 - January 2024
- Designed a program to produce a comprehensive formatted linguistic analysis from raw speech data
- Utilized Python's NLTK to perform linguistic analysis, optimizing I/O for clarity and robustness
- Saved the lab hundreds of hours of manual analysis by working to discover and pinpoint inefficiencies