Etienne Rousseau

510-298-2864 | erousseau@ucdavis.edu | www.linkedin.com/in/etiennerousseau1 | github.com/EtienneRousseau1

EDUCATION

University of California Davis   Davis, CA
B.S in Computer Science (3.9)   *September 2022 - June 2026*
- Relevant Coursework: Object-Oriented Programming, Data Structures and Algorithms, Machine Programming

EXPERIENCE

Software Engineering Intern   June 2023 – September 2023
Pampa Technologies   *Fremont, CA*
- Engineered a dynamic web application enabling real-time monitoring of automated guided vehicles (AGVs) through Python and React, interfacing with PLC boards to retrieve live data streams.
- Empowered streamlined operations by implementing remote restart and servicing functionalities for up to 50 AGVs simultaneously, revolutionizing maintenance protocols and ensuring optimal fleet performance
- Revamped a centralized database application serving 500 users, enhancing user experience by enabling seamless viewing, editing, and creation of specification sheets, along with PDF generation capabilities
- Innovated the integration process for new specification sheet templates, leveraging React TypeScript, .NET, and GRPC technologies to seamlessly incorporate custom filtering and pagination functionalities
- Developed a web application for 3 months used to manage all waste services and added a new authorization system with Angular, C++, and Azure DevOps for hosting

Developer   September 2023 – May 2024
Codelab   *Davis, CA*
- Led a cross-functional team of seven in designing and developing a comprehensive dashboard, showcasing diverse users' aggregate and resilience scores
- Gathered the metrics from five APIs, employing advanced algorithms within a Next.js, MongoDB, and Express stack to derive aggregate and resilience scores, providing valuable insights into user engagement with live content.
- Created a full-stack application utilizing FastAPI, Next.js, and MySQL, enabling potential investors to access comprehensive company metrics such as funding details and industry affiliations
- Implemented seamless Google Authentication functionality, enhancing user experience by providing secure login capabilities, with differentiated access levels based on user roles

PROJECTS

LocalFlair | *React, Go, Postgres, Docker*   April 2024 – June 2024
- Spearheaded the creation of an innovative online marketplace by connecting artisans with buyers, utilizing sustainable, handcrafted products to support community growth
- Orchestrated the development of a feature-rich platform, employing React.js with TypeScript for frontend interactivity and Go (Golang) for backend scalability, ensuring a seamless user experience and robust server-side functionality
- Implemented cutting-edge features like artisan profiles, product listings, custom orders, interactive maps, and community forums
- Leveraged PostgreSQL for data management, OAuth 2.0 for secure authentication, and cloud deployment strategies for scalability and reliability

Daily MOOd | *MongoDB, Express, React Native, NodeJS*   Jan 2023 – May 2023
- Guided a collaborative team of developers and designers to create a mental health and anxiety management app for UC Davis students
- Utilized React Native for front-end development, Express for back-end development, and MongoDB for database management.
- Incorporated features such as uplifting messages and a mood tracking system to provide a holistic approach to student well-being

SKILLS

Languages: JavaScript, Python, Java, Go, C/C++, mySQL, Postgres, HTML/CSS, MongoDB, .NET, Node
Frameworks: React, NextJS, Angular, Typescript, Express, Flask, FastAPI, Django, Sass, Tailwind
Developer Tools: Git, Docker, Kubernetes, Azure DevOps, AWS, GRPC, Protobuf
Fluent: Spanish