Roberto Vega

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EDUCATION

Bachelor of Computer Science   **Sep 2019 - Dec 2024**
Stockton University   *Galloway, NJ*

- Coursework: Data Structures & Algorithms, Database Systems, Computer Networking, Application Development, Software Engineering, System Analysis and Design
- Leadership: Teaching assistant to 20+ students

EMPLOYMENT HISTORY

Frontend Developer Intern   **Oct 2024 - Present**
Aurora Web Studio   *Melbourne, AU*

- Developed an internal troubleshooting tool with React and Firebase, boosting the support team's efficiency by over 40%
- Enhanced client's customer conversion by 30% by redesigning the checkout flow and migrating the database to Firebase.
- Partnered with the COO to streamline client communication processes, resulting in a 30% reduction in client meetings and a 70% increase in team productivity by implementing efficient workflow solutions.
- Developed a custom React hook to debounce search inputs, significantly reducing unnecessary RESTful API requests by 66%, leading to improved performance and efficiency on client SaaS platforms.

PROJECTS

Nationwide Web-Based Hub System [[Github](#)]   *Python, Flask, JavaScript, HTML/CSS, SQL, AWS*

- Developed a full-stack web application with Flask serving a REST API and developed the frontend using HTML/CSS
- Implemented GitHub Auth to get data from user's repositories
- Visualized GitHub data to show collaboration
- Developed online database with scalable AWS RDS SQL server backend

Lottery Machine   *Java, Maven, JavaSwingBuilder*

- Developed a graphical user interface (GUI) using Java Swing for a Power Ball lottery simulation, providing an interactive and visually dynamic user experience
- Managed project dependencies and build processes using Maven, ensuring seamless integration of external libraries and streamlined project development
- Employed object-oriented programming (OOP) principles to structure the code, ensuring modularity, maintainability, and scalability for future features

SKILLS

Java, Python, JavaScript, HTML5, CSS3, React, Firebase, SQL, Flask, Maven, Git, Github, Node.JS