Moises Ortega-Garcia

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EDUCATION

California State University, Stanislaus   **Turlock, CA**
Bachelor of Science in Computer Science   December 2021

EMPLOYMENT

Northrop Grumman   **San Diego, CA**
Software Engineer   *January 2022 - Present*
- Implemented and maintained features in C++ for a backend service that enhanced associate efficacy and engineering processes
- Refactored legacy C++ code to increase code usability and readability, which improved developer productivity
- Collaborated in a diverse agile team and created new design documents that encompassed stakeholder requirements

Bank of America   **New York City, NY**
Software Engineer Intern   *June 2021 - August 2021*
- Developed features and maintained a full-stack trading platform in Vue.js and Python that facilitated the management of pricing and positions and provided insights on trading activity
- Created a RESTful API service that allowed the client to search for trading data by programming in a Python backend framework and interacting with an object-oriented database
- Integrated a distributed NoSQL database to read trading activity from firms that consist of books and deals
- Wrote reusable web components with Vue.js and JavaScript to visually render trade events to analysts

E. & J. Gallo Winery   **Modesto, CA**
Software Engineer Intern   *June 2020 - August 2020*
- Architected and built a pipelined system in Python to calculate moisture index, which resulted in farmers being able to efficiently determine the amount of water needed for a higher crop yield
- Implemented data persistence with a PostgreSQL backend database and file storage with AWS S3, allowing the frontend to display a collection of rasterized data
- Presented proof-of-concept demo application to executive leadership to demonstrate and identify the need for a streamlined process to boost crop yield

SOFTWARE PROJECTS

Crowdsourced Map Application   *Technologies: JavaScript, Firebase, GCP, HTML, CSS*
Hackathon Project   *April 2019*
- Built a real-time web application with Google Firebase for data synchronization, which allowed for a collaborative experience for users annotating the map with location-dependent data
- Enabled offline persistence by storing data to local disk then merging the data once the client regains connection to the database
- Communicated with the GCP API through JSON and subscribed to changes in the database to ensure the map reflected data in real-time

TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, C++, HTML, CSS, SQL
- **Technologies:** Amazon Web Services, React, Node.js, Git, GCP
- **Databases:** PostgreSQL, NoSQL, Firebase