

Marco Gonzalez

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EDUCATION

CALIFORNIA STATE UNIVERSITY, LOS ANGELES
Bachelor of Science, Computer Science

Los Angeles, CA
May 2023

PROFESSIONAL EXPERIENCE

Wells Fargo Chandler, AZ
January 2024 - Present
Software Engineering Associate

- Became a key contributor by delivering a modernized internal tool using Java/Spring and React/TypeScript, developing 4 RESTful APIs with JUnit, and leading front-end development by building 6 fully functional pages and 8 reusable React components tested with Jest and Playwright. Currently maintaining this tool and another internal application, resolving defects and supporting ongoing modernization and quality efforts.
- Independently refactored the tool's initial Playwright test suite of 81 automated tests to resolve flakiness caused by premature assertions and data race conditions during parallel execution. This resulted in improvement of manageability, reliability, and readiness for HyperExecute and Harness deployment pipelines, while preventing CI/CD slowdowns from unnecessary test restarts due to false positives.
- Took project ownership by developing deep expertise across front-end and back-end components, mastering release and snapshot workflow management including Github Actions, release branching, and Harness deployments. Now serve as a primary technical liaison between engineering teams and business project owners, leading defect investigation and resolution, coordinating UAT deployments, and providing timely release status updates for production-impacting issues.

We2Link Los Angeles, CA
August 2022 - May 2023
Full Stack Software Engineer Intern

- Successfully migrated a React Native app to a web-based platform using React/TypeScript, Tailwind CSS, and Google Firebase by developing and implementing 5 react components and 1 accessibility settings page.
- Used GitHub and Jira to diagnose and resolve any defects by conducting PR reviews. Ensured for clean and stable code to be merged, allowing for smooth operation and minimal downtime by 50% within an agile environment.
- Assisted in preparing comprehensive reports, software documentation, and presentations for potential investors under the guidance of the We2Link staff.

Johnson and Johnson Los Angeles, CA
June 2022 - August 2022
Technology Intern

- Shaped the Strategic Customer Group website by crafting agile user stories in Jira through collaborative discussions with 4 tech leads and 2 stakeholders to capture business requirements and ensure top-notch UI/UX design.
- Led Ponvory SharePoint site development, guiding brand integration, strategizing structure, and enhancing user experience with existing UI, while aligning it with the brand identity.
- Pulled data with Google Analytics. Developed 2 Google Data Studio dashboards to analyze metrics before and after a website redesign. Led a demo for leadership, business teams, and stakeholders to support future decision-making.

Texas Advanced Computing Center (TACC) Los Angeles, CA
August 2020 - May 2020
Data Science Research Intern

- As part of the ACSC program, I collaborated with 7 other multidisciplinary teams to apply data science, computational thinking, and enabled computational research experience towards a social challenge.
- Used Python's Matplotlib, Pandas, and NumPy libraries to parse CSV files, clean data, and initialize DataFrames. Created 4 effective, and engaging data visualizations to support my research question.
- Ran, tracked, and stopped Jupyter Notebook jobs on TACC's supercomputers via the terminal.

NASA Los Angeles, CA
August 2019 - March 2020
Pre-Trainee

- Selected as 1 of 50 students to participate in NASA DIRECT STEM, where I attended workshops by JPL, UCI, and TACC to enhance Python and Linux skills for advanced computation and programming.
- Cleaned data and conducted data analysis on 2D and 3D visualizations by utilizing Python and libraries such as NumPy, Pandas, and Seaborn.
- Gained hands-on experience with high performance computing, including job management by using the command prompt and Linux commands.

CERTIFICATIONS

- Google Cloud Associate Cloud Engineer - Google Cloud