

# Marco Gonzalez

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## EDUCATION

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

Los Angeles, CA  
May 2023

## PROFESSIONAL EXPERIENCE

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### Wells Fargo

Chandler, AZ

#### Software Engineering Associate

January 2024 - Present

- Successfully rewrote and deployed an internal tool using Java/Spring and React/TypeScript within 6 months. Developed 4 RESTful APIs with JUnit and Karate tests, and led front-end development by building 6 fully functional pages and 8 reusable React components tested with Jest and Playwright.
- Independently refactored the tool's initial Playwright test suite of 81 automated tests to resolve flaky tests 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.
- Gained project ownership by developing deep understanding of front-end and back-end components, proficiency in release management, Harness deployments, and GitHub Actions to trigger release workflows, monitor failing workflows, and deploy images. I now serve as a primary liaison between engineering teams and project owners regarding UAT deployments, release statuses, and production-impacting defects affecting our end users.

### We2Link

Los Angeles, CA

#### Full Stack Software Engineer Intern

August 2022 - May 2023

- 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

#### Technology Intern

June 2022 - August 2022

- 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

#### Data Science Research Intern

August 2020 - May 2020

- 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

#### Pre-Trainee

August 2019 - March 2020

- 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.

## TECHNICAL SKILLS

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- Java, Spring, Python, JavaScript, TypeScript, React, HTML, CSS, Bootstrap, Web Development, Software Engineering, Data Science, Tableau, Data Studio, Google Analytics, JUnit, Jest, Playwright, GitHub, Jira, Agile