

# 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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### We2Link

Los Angeles, CA

#### Full Stack Software Engineer Intern

August 2022 - May 2023

- Successfully migrated a React Native application to a web-based platform using ReactJS, Tailwind CSS, TypeScript, and Google Firebase by developing and implementing 5 new react components and 1 new accessibility settings page.
- Utilized Github and Jira to promptly diagnose and resolve production issues 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.
- Extracted site data with Google Analytics and 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.

## PROJECTS

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### Personal Website: [marcogonzalez.netlify.app](https://marcogonzalez.netlify.app)

- Developed and hosted a responsive personal website with React, JavaScript, CSS, and Bootstrap to serve as a site refresh for a previous portfolio (linked at the bottom). Built reusable React components to facilitate development.

### JDBC client using PostgreSQL: [github.com/mgonzalez12000/PostgreSQLJDBC](https://github.com/mgonzalez12000/PostgreSQLJDBC)

- Designed an ER diagram and schema with appropriate key constraints. Created the database using DDL SQL and implemented a JDBC client that uses PostgreSQL to allow users to interact with the database.

### Robotics: <https://github.com/mgonzalez12000/Robotics-Linux-Arduino>

- Wrote embedded C++ code using the Arduino IDE running off a VM that utilized Linux's Ubuntu to enable functionality for a Raspberry Pi and various components such as LED's ultrasonic sensors, step motors, and screens.

## TECHNICAL SKILLS

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- Java, Python, C++, JavaScript, React.js, HTML, CSS, Bootstrap, Web Development, Software Engineering, Data Science, AI/ML, Tableau, Data Studio, Google Analytics, Doctesting, Unit testing, GitLab, GitHub, Jira, Agile, HPC