Marco Gonzalez

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EDUCATION

California State University, Los Angeles   **Los Angeles, CA**
BS in Computer Science

SKILLS

Skills: Java | Python | JavaScript | React/HTML/CSS/Bootstrap | Tableau/Data Studio/Google Analytics | GitHub/Jira | HPC

WORK EXPERIENCE

We2Link   **Los Angeles, CA (Virtual)**
Software Developer Intern   *August 2022 – May 2023*
- Developed (React) an "Edit" page (full stack) to leverage user customization, built a drag and drop feature to allow reorganization for "memory types", built a toggle feature to toggle between a list/grid view, and integrated a color picker component for custom UI color templates. Built a "preview pane" to display users a preview of their changes before submitting the changes.
- Leveraged sites sign up page by implementing required fields using TypeScript and improving UI to identify such required fields.
- Conducted PR reviews to ensure clean/stable code to be merged to the main branch. Used Firebase and console to identify bugs. Updated Jira board as necessary and effectively communicated with developers if any changes were requested via GitHub/Slack.

Johnson and Johnson   **Los Angeles, CA (Virtual)**
Technology Intern   *June 2022 – August 2022*
- Designed Agile User Stories (JIRA) for the Strategic Customer Group (SCG) site by meeting with technology leads and stakeholders to capture business requirements while ensuring proper UI/UX design requirements.
- Created a SharePoint site for Ponvory. Worked with and guided brand partners to leverage existing site's UI, develop a strategy for the site's structure, and incorporate Ponvory brand requirements for the new site. Proceeded to build the site.
- Built analytics dashboards using Data Studio that met business requirements for Spravato. Pulled site data with Google Analytics to compare metrics before and after a website redesign. Presented a demo of the dashboards to leadership, business, and agency teams.

XSEDE's ACSC/C4C   **Los Angeles, CA**
Peer Mentor   *August 2021- May 2022*
- Assisted participants in research question to meet the appropriate scope of workload and time to meet a one-week deadline.
- Provided participants with an introductory lecture of data science, Python 3, and the Pandas, Matplotlib, NumPy libraries. Created a sample Python script for participants to reference and run on their local machine (Available on my GitHub).
- Assisted students to clean datasets, create and filter DataFrames, debug their blockers, and create meaningful data visualizations.

Community Partners' The Engineer Factory   **Los Angeles, CA**
Computer Science Tutor   *January 2022 – May 2022*
- Lectured on programming fundamental concepts (binary, types, procedural programming, scope, functions, algorithms).
- Taught app development and introduced the event-driven paradigm using JavaScript on the Code.org platform.
- Created review sessions and practice exams with the instructor to prepare our students for the AP CSP exam. 7 of 11 passed AP exam.

XSEDE's Advanced Computing for Social Change   **Los Angeles, CA (Virtual)**
Data Science Research Intern   *June 2020 – August 2020*
- Learned and worked with multidisciplinary teams to apply data science, computational thinking, and gained computational research experience towards a social challenge.
- Hands-on experience with HPC to run, track, and stop Jupyter Notebook jobs on TACC's supercomputers.
- Used Python's Matplotlib, Pandas, and NumPy libraries to parse CSV files, initialize DataFrames, and create data visualizations with appropriate, effective, and engaging designs.

PROJECTS

Personal Website: https://mgonzalez12000.github.io/marcosWebsite   *January 2022 – Present*
- Developed my personal website with JavaScript, HTML, CSS, and Bootstrap for a responsive design across all devices. Website is continuously being updated and optimized and is being hosted on GitHub Pages.

JDBC client using PostgreSQL: https://github.com/mgonzalez12000/PostgresSQLJDBC   *October 2022 – December 2022*
- Created an ER diagram and schema to design a database with the appropriate key constraints. Created the database by using DDL SQL and then implemented a JDBC client that allows users who don't know SQL to interact with the database.

Cartless: http://mgonzalez12000.github.io/Cartless   *January 2022 – May 2022*
- Developed the front-end and back-end for a prototype shopping list web application that implements human-centered computing fundamentals and showcases a UI/UX driven design. (HTML, CSS, Bootstrap, JavaScript)

GPYES: linkedin.com/posts/marcog12000_gpyes-screenshots-and-documentation-activity-6804208179090726912-7Eau
Spring 2021
- A web application that allows multiple users to connect to a web server, find their friends location, and message them. My responsibilities were overseeing and developing the front-end by using HTML, CSS, Bootstrap, and JavaScript for the Google Maps API. I also assisted in the software documentation DFD (Level 0, 1, and 2).