# **Marco Gonzalez**

Los Angeles, CA | linkedin.com/in/marcog12000 | 323 236 0604 | mgonzalez12000@gmail.com

**EDUCATION**

**California State University, Los Angeles Los Angeles, CA**

*Perusing a BS in Computer Science (GPA: 3.259) Graduation Date: May 2023*

**WORK EXPERIENCE**

**Johnson and Johnson Technology Los Angeles, CA**

*Janssen Neuroscience Technology Intern Present*

**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 of one week.
* Provided participants with an introductory lecture of data science, Python 3, and the Pandas, Matplotlib, and NumPy libraries. Created a sample Python script for participants to reference (Available on my GitHub).
* Assisted students to clean datasets, create DataFrames, debug their blockers, and create data visualizations.

**Community Partners’ The Engineer Factory Los Angeles, CA**

*Computer Science Tutor January 2022 – May 2022*

* Lectured on programming fundamentals (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 students for the AP CSP exam.

**XSEDE’s Advanced Computing for Social Change Los Angeles, CA**

*Data Science Research Intern June 2020 – August 2020*

* Learned and worked with multidisciplinary teams to apply data analysis/science, computational thinking, and gained 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.

**NASA DIRECT STEM Los Angeles, CA**

*Pre-Trainee August 2019 – March 2020*

* Attended workshops taught by professionals from JPL, UC Irvine, XSEDE, and TACC to develop advanced computational and programming skills in Python and Linux (Data science/analysis, terminal navigation).
* Applied skills to analyze/develop two-dimension/three-dimensional graphs containing climate change data
* With the contributions of XSEDE and TACC, I gained hands-on experience uploading my code to supercomputers and understanding their fundamental functions.

**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.

**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*January 2021 – May 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).

**SKILLS & INTERESTS**

**Skills:** Java | Python | JavaScript | HTML | CSS | Bootstrap | Tableau | Git | Unit Testing | HPC | Documentation

**Interests:** Software Engineering, Web Development, UI/UX, Data Science