

# Marco A Lopez

214-621-5290 | [marcoalopez0730@gmail.com](mailto:marcoalopez0730@gmail.com) | [linkedin.com/in/marco-lopez-67a264149/](https://www.linkedin.com/in/marco-lopez-67a264149/) | [github.com/Gale748](https://github.com/Gale748)

## EDUCATION

### Tarrant County College, Southeast Campus

*Associate of Science in Engineering*

August 2020 – May 2023

*Arlington, TX*

### Texas Christian University

*B.S Mechanical Engineering*

August 2017 – May 2019

*Fort Worth, TX*

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, JavaScript, HTML/CSS, L<sup>A</sup>T<sub>E</sub>X, Bash, zsh

**Developer Tools:** Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Libraries:** pandas, NumPy, Matplotlib

**CAD Software:** PTC Creo, Fusion 360

**3D Printing:** SLA, SLS

**Spoken Languages:** English, Spanish

## EXPERIENCE

### Library Service Representative

*Grand Prairie Memorial Library*

August 2021 – Present

*Grand Prairie, TX*

- Assisted patrons with various computer-related inquiries, including troubleshooting, software usage, and device configuration.
- Provided guidance and support for completing forms, documents, and printing services.
- Collaborated with a team of librarians and staff to ensure efficient operations and a welcoming environment for library patrons.

### Bakery Clerk

*Whole Foods Market*

March 2020 – December 2020

*Dallas, TX*

- Prepared and baked a variety of artisan bread, pastries, cakes, and other baked goods according to established recipes and standards.
- Maintained a clean and organized work area, following food safety and sanitation guidelines.
- Provided exceptional customer service, offering product recommendations and answering inquiries about ingredients, flavors, and allergens.

### Customer Service Representative

*The Home Depot*

August 2017 – August 2019

*Grand Prairie, TX*

- Assisted customers in finding products, answering questions, and providing information on product features, specifications, and usage.
- Processed customer orders accurately and efficiently, ensuring timely delivery or pickup. Resolved customer complaints and concerns in a professional and courteous manner, utilizing effective problem-solving skills to achieve customer satisfaction.
- Utilized computer systems and software applications to access product information, check inventory availability, and place orders.

## PROJECTS

### Simple Locking Mechanism | PTC Creo

January 2023 – Present

- Developed a locking mechanism using PTC Creo, a powerful computer-aided design (CAD) software, to enhance the security and functionality of a mechanical device. Leveraging the capabilities of PTC Creo, the project involved designing, modeling, and simulating a simple yet effective locking mechanism that could be implemented in various applications.

### Encrypto | Python

July 2022 – Present

- Developed a Discord bot capable of encrypting and decrypting messages on user command, enhancing communication privacy and security within the platform. Leveraged Python and the Discord API to create a versatile and user-friendly bot that offered end-to-end encryption for sensitive conversations.

## REFERENCES

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**Alejandro Oranday**

*Physics PhD Candidate at Indiana University*

[alejandro@oran.day](mailto:alejandro@oran.day)

**Evan Shrestha**

*Machine Learning Engineer at Discord*

[evanshrestha@gmail.com](mailto:evanshrestha@gmail.com)

**Mathew Puente**

*Software Engineer at Lockheed Martin*

[mathewjpunte@gmail.com](mailto:mathewjpunte@gmail.com)