# Mauro P. Guerrero

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## Occupational Goal:

To pursue a career as a full-time software engineer. Currently looking for internships or Co-ops. Working towards my B.S. in Computer Engineering.

## Education:

| | | |
|---|---|---|
| **B.S. in Computer Engineering**<br>Texas A&M University | Expected May 2022 | **GPA: 3.89** |
| **Associate of Arts**<br>El Paso Community College | June 2018 | **GPA: 3.81** |

## Work Experience:

**Google Engineering Practicum Internship**                Summer 2019

- Developed the Test Identity Provider's (Idp) metadata using OpenSAML 2.0, an open-source library used for exchanging authentication and authorization data between parties.
- Implemented the ability to update the current Idp's credentials, allowing admins to upload new public and private keys. The feature was developed using OpenSAML and Google's framework and injector tools.
- Worked on encrypting the SAML response of the Idp using the Service Provider's public key through OpenSAML encryption tools.

## Skills:

| Programming languages | Technologies/APIs | Proficiency |
|---|---|---|
| Java | SAML 2.0 | Objected-Oriented Programming |
| C++ | GitHub | Bilingual: English and Spanish |
| Python | NumPy, SciPy, Matplotlib | |
| Verilog | SDL 2.0 | |

## Projects:

**Particle Effect**                Summer 2019

https://github.com/MauroGuerrero20

Created a simple Particle Effect program using C++ and Simple DirectMedia Layer (SDL 2.0).

## Extracurricular Activities:

**Aggie Coding Club**                Fall 2019 – Present

Participated in semester-long projects and weekly workshops.

**Cybersecurity Club**                Fall 2019 – Present

Attended weekly workshops.
Participated in Capture the Flag (CTF) and Red vs. Blue competitions.

**Society of Hispanic Professional Engineers**                Fall 2017 – Present

Attended weekly company workshops, social events, and luncheons.
Networked with recruiters and engineers.