

Emilio Cazares Borbon

ec1272@georgetown.edu

[linkedin.com/in/emilio-cazares-borbon](https://www.linkedin.com/in/emilio-cazares-borbon) | github.com/3m111032

Tucson, AZ | Washington, D.C.

EDUCATION

Georgetown University

Washington, DC

College of Arts & Sciences, *Bachelor of Science*

May 2026

Computer Science & Neurobiology Double Major

Technical Skills: Programming: C++, CMake, C#, Python, Java, JavaScript, HTML/CSS, SQL, R, MATLAB, PyTorch, Bash

Tools: Git, GitHub, Excel, Biostatistics, Statistical Modeling, Data Visualization, Qualtrics Deployment, Tor Network, APIs, Deep Learning Models, Virtual Machines, Docker, Audacity, Linux (UNIX), Database Management, Encryption, Networking

Languages: Spanish, English

RESEARCH AND ACADEMIC PROJECTS

DARN Lab - Georgetown University Medical Center

Washington, DC

Research Assistant

October 2024 – Present

- Developed and maintained 22 existing and 15+ new Aphasia diagnostic tasks in JavaScript, HTML, & CSS; deployed via Qualtrics for remote testing.
- Lead a team of 4 lab programmer, in charge of maintaining and creating various EEG experiment frameworks.
- Built 3 VR stimuli engines on Oculus Quest 2 in Unity with millisecond-precision audiovisual synchronization (C#).
- Created 5+ visual and auditory research stimuli using Adobe Animate, Illustrator, and Audacity for EEG experiments.
- Designed an efficient and targeted process for collecting mobile EEG brain recording integrating different systems with LSL networking, EPrime presentation, Bluetooth, and LabRecorder.

INDUSTRY AND TEACHING EXPERIENCE

Georgetown University - Computer Science Dept.

Washington, DC

Teacher's Assistant – Computer Science (C++, Java, Python, R)

August 2023 – Present

- Provided individualized programming guidance and detailed assignment feedback to 75+ students per semester.
- Collaborated with faculty to refine 15+ lab exercises, 5 large projects, and instructional content every semester.

Course Assistant – Cybersecurity & Python Programming

Summer 2023 & Summer 2024

- Taught Python programming fundamentals and basic cybersecurity concepts to 15+ high school students.
- Mentored first-generation and low-income students, fostering an inclusive learning environment.

RTX - Raytheon Missiles & Defense

Tucson, AZ

Government Accounting Intern

January 2021 – May 2022

- Managed financial datasets, verified employee records, and ensured compliance with accounting standards.
- Created Excel workflows to improve data accuracy and reporting efficiency.

Vantage West Credit Union - Home Loans

Tucson, AZ

Accounting Intern

August 2019 – March 2020

- Prepared HMDA regulatory reports, processed loan documentation, and optimized document workflow systems.
- Provided general office support, enhancing organizational skills in a busy office environment.

LEADERSHIP AND OTHER ACTIVITIES

President & Treasurer – Hoya Taxa

May 2024 – May 2025

- 40+ hours filing Federal and State Income Tax for low-income individuals and family.
- Coordinated volunteers with community partners to
- Increased membership from 12 to 80+ and tripled volunteer engagement in one semester.

President & Treasurer – MEChA de Georgetown

May 2024 – Present

- Maintained budgets, fundraising strategies, and financial reporting for 10+ yearly events.

Operations Director – Ballet Folklórico Mexicano de Georgetown

May 2023 – Present

- Coordinated performances, facilitated communications, and expanded community outreach, increase club recognition.

Catechist – Holy Trinity Catholic Church

Aug 2023 – May 2025

- Led 28+ young adult classes on theology, church doctrine, and faith practice.