

MIGUEL F. SERNA

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EDUCATION

The University of Texas at Austin	Pursuing <i>Bachelor of Science and Arts, Computer Science</i>	May 2027
Relevant Coursework	Data Structures, Discrete Math, Intro to programming, Sequences, Series, and Multivariable calculus.	2023/2024

SKILLS

Programming Languages: *Fluent in Python, Java; Intermediate in C#, HTML/CSS, JavaScript*

Technical skills: Git, PyCharm, Unity, Jupyter Notebook, Flask, Ubuntu, Oculus VR, Adobe Premiere Pro, OBS, Office 365

Languages: *Native in Spanish, Fluent in English*

PROJECTS

- **Random Number Generation:** Wrote an academic paper evaluating the quality of the pseudo-random number generators utilized by Python and JavaScript.
- **Cuisine Quest (Game Jam):** Spearheaded a team of four as lead developer to second place in a five-day game jam hosted by a YouTuber with over three million subscribers (@Danidev).
- **IB Grade Calculator:** Developed and launched a webapp to facilitate grade conversion between middle years program and ESO (Spanish secondary education) in my high school.
- **Minecraft AI Vision:** Trained a computer vision ML model to be able to recognize different mobs and implemented it into a Minecraft bot utilizing the Mineflayer API.

EXPERIENCE & LEADERSHIP

Twitch June 2020 – August 2021
Affiliate Streamer

- Consistently streamed on Twitch and entered an exclusivity contract with Amazon.
- Amassed a small audience and built a community by exercising entertainment, production, and marketing skills.

Student Council at Sek Ciudalcampo International School September 2021 – May 2023
Delegate

- Represented my grade in my school's Student Council and co-founded its Activity Planning Committee. Developed skills in management and planning.

Python Club – Sek Ciudalcampo International School October 2021 – May 2023
Founder

- Founded and led the programming club of my high school to teach my peers Python skills to make up for the lack of a CS program in my school.

Stocks Club – Sek Ciudalcampo International School November 2021 – May 2022
Founder

- Founded and led the stocks/investment club of my school. Hosted a year-long paper trading competition.