

Calvin Guerrero  
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5500 S University Ave Rm. 1179, Chicago, IL 60637

## EDUCATION

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**The University of Chicago**, Chicago, IL

*Bachelor of Arts in Computer Science, Minor in Spanish*, Expected June 2026

GPA: 3.75 / 4.00

**Relevant Coursework:** Computer Architecture, Systems Programming I & II

**Awards:** Highschool Valedictorian (2022), Eagle Scout (2021)

## EXPERIENCE

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### Gridlink

*Backend Development Intern*; Chicago, IL, June 2024 - August 2024

- Implemented a **dynamic forecast weather data retrieval and storage service** for Gridlink's EV Fleet Charging Software; utilized Typescript, APIs, Prisma, Jest, and Zod to finish deliverable in 1 month
- Revamped an existing **electricity price data retrieval and storage service** in Gridlink's backend to fetch pricing data from an API or a JSON file; utilized Typescript, APIs, Prisma, Jest, and Zod to finish deliverable in 1 month

### Makes Innovation, LLC

*C Developer / Engineering Intern*; Sugar Grove, IL, May 2021 - September 2023

- Developed **C operating system** for a Police Motorcycle Alarm Controller; utilized MPLAB, MCC, UART debugging, PCB schematics, soldering, and basic logic statements

### ARMv8 Instruction Set Simulator (available upon request)

- Implemented a **32-bit 5-Stage Pipelined ARMv8 Simulator in C** utilizing bitmasking, structs, pointers, and case-switch statements, while relying on the ARMv8 manual.

## LEADERSHIP

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### Derivatives of Data Science

*Executive Board Member (IT Manager)*, January 2023 - Present

- Coordinates with Experts in Data Science to provide networking opportunities, workshops, and career advice to undergraduate students
- Produced a website to communicate the organization, reached over 100 undergraduate students

### Dormitory House (Booth House)

*Vice President*; September 2023 - May 2024

- Manages and plans study breaks, house meetings and events for Booth House at the International House Dormitory
- Aided in planning a Valentine's Day rose sale fundraiser, raised over \$200 for house activities

## SKILLS

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**Computer:** C, Python, Typescript, Unity, API Integration, Git / Github, Docker, Linux Terminal, MPLAB

**Language:** Bilingual in English and Spanish

## INTERESTS

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**Academic:** Software Design, Embedded Development, Digital Design

**Hobbies:** Piano, 3D Printing, TinkerCAD, Laser Cutting / Engraving, Blogging, Soldering / Basic Circuitry, Foam Dart Blasters, Car Audio, PC building