

Calvin Guerrero

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EDUCATION

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

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, board 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 for instruction decoding.

LEADERSHIP

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

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

Language: Bilingual in English and Spanish

INTERESTS

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