

# Joseph Cardenas

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## EDUCATION

**Hopkins School**, New Haven, CT September 2020 – June 2024

Graduated with Cum Laude distinction

Relevant Coursework: Web Design, Topics in Programming, Senior Project (Breadboard Electronics), Linear Algebra

**Carnegie Mellon University School of Computer Science**, Pittsburgh, PA August 2024 – Present

Degree expected 2028

## LEADERSHIP EXPERIENCE

**HopCodes**, *Club Head*, Hopkins School Spring 2022 – Spring 2024

- Work together with other club heads and faculty advisors to schedule and lead meetings
- Keep club members engaged, lead learning and project-based sessions
- Brainstorm possible future projects and learning topics

**Pathfinder**, *Teaching Fellow*, Hopkins School Winter 2022 – Spring 2024

- Work with co-teachers to create lesson plans
- Help middle-school students learn math concepts
- Work one-on-one with students

## OTHER ACTIVITIES

**Varsity Golf**, *Captain*, Hopkins School Spring 2021 – Spring 2024

- Participate in a number of matches and work with the entire golf team to make improvements

**Sustainability Committee**, *Leader*, Hopkins School Fall 2021 – Spring 2024

- Brainstorm ideas for and increase awareness of practices to reduce Hopkins's environmental impact
- Make recommendations for future sustainable actions to be taken by Hopkins School

## SOFTWARE DEVELOPMENT – Portfolio at <https://joecardenas.dev/>

**Endeavour Inspired Infrastructure**, *Software Intern* Summer 2023, Summer 2024

- Built an interactive map using Mapbox, React, and WMS

**Memeinator**, *iOS app* – <https://memeinator.joecardenas.dev/>

- Makes layered and complex transformations to text using Swift, SwiftUI, and SolidJS (Landing Page)

**StatShot**, *iOS app* – <https://statshot.joecardenas.dev/>

- Golf statistics and practice app, built with Swift, SwiftUI, and SwiftData

**Hydroponics Robot**, *Software and hardware*

- Manages hydroponic plants using custom hardware and software, presented in an easy-to-use web UI

**Homelab**, *Personal Server*

- Uses Docker and other deployment techniques to host my portfolio, mail server, and many other personal projects

## SKILLS AND INTERESTS

- *Skills:* Swift, iOS Development, Java, Rust, Web (HTML, CSS, JavaScript), Breadboarding, Digital Electronics
- *Interests:* Technology (TVs, Computers, VR, etc.), Building Computers, Gaming, LEGO, Chinese Language