

# ETHAN GASPAR

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## EDUCATION

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### Seattle University

Bachelor of Science, Computer Science  
Minor in Global Business

Spring 2026

Overall GPA: 3.584

## COURSES

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Data Structures, Art of Web Design, Fundamentals of Databases, Object Oriented Design

## PROJECTS

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### Hospital Emergency Room Triage System:

Winter 2023

- Designed and implemented a command-line interface to manage patient triage based on urgency using a priority queue system.
- Integrated functionality to add, view, and remove patients from the queue, with priorities ranging from immediate to minimal,
- Developed core components in C++, including a Patient class for managing patient details and a PatientPriorityQueue class to maintain queue structure.
- Enhanced user interaction with key commands: add, peek, next, list, and help.

### Computer Science Help Center Website:

Spring 2024

- Developed an online platform providing academic resources for computer science students, including course information and links to external educational materials.
- Integrated a browser-based IDE to allow students to write and run code directly on the website.
- Built the website using HTML, CSS, JavaScript, and PHP to deliver a responsive, interactive user experience.

### Book to Scrape Web Scraper:

Summer 2024

- Developed a Python-based web scraper to extract book data from the "Books to Scrape" website, allowing users to filter and retrieve information based on custom input (e.g., fiction books sorted by price).
- Utilized Scrapy to efficiently handle web scraping and data extraction tasks, ensuring scalability and robust data handling.
- Designed the scraper to be flexible for different book categories and sorting options.

## LEADERSHIP

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### Seattle University Martial Arts Association - Brazilian Jiu-Jitsu *Instructor/Event Coordinator*

Fall 2023

- Present

- Organize classes for members of Seattle University Martial Arts Association
- Work with other clubs and interact with other members of club leadership to manage events and meetings for club events
- Directly instruct participants ensuring safety and engagement

### Seattle University - Resident Advisor (RA)

Fall 2024 - Present

- Work as a team with other RA's to provide support and mentorship to the 650 student residents living in my assigned hall.
- Organize community events and serve as a liaison between residents and administration.
- Utilize communication and conflict-resolution skills to facilitate a safe and inclusive environment.

### Alpha Chess Academy - Chess Instructor

Fall 2024 - Present

- Design and deliver chess lessons to a class of 25 children grades 1-3
- Developed lessons to improve students problem-solving skills
- Fostered a positive and encouraging atmosphere to boost students' engagement

## HONORS

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Seattle University, Deans List

Winter 2023, Spring 2023, Fall 2024, Spring 2024

## ADDITIONAL INFORMATION

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**Languages/Frameworks:** Python, C++, C# (basic), PHP (basic), SQL (basic)

**Tools/Libraries:** Scrapy, Pandas, Matplotlib, Firebase (basic)

**Front-end:** HTML/CSS, SwiftUI (basic)

**Interests:** Data Engineering, Software Development, Martial Arts, Outdoors, Free diving

**Work Eligibility:** Eligible to work in the U.S. with no restrictions