

# ETHAN GASPAR

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## EDUCATION

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Seattle University	<b>B.S in Computer Science</b> Minor in Global Business  Overall GPA: 3.584	Spring 2026
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## COURSEWORK

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Data Driven Programming	Spring 2023
Programming and Problem Solving	Fall 2023
Data Structures	Winter 2024
Art of Web Design	Spring 2024
Fundamentals of Databases	Fall 2024
Object Oriented Design	Fall 2024

## PROJECTS

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### Hospital Emergency Room Triage System - Data Structures: 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 - Art of Web Development: 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 - Personal Project 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++, JavaScript (basic)

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

**Front-end Development:** HTML/CSS, SwiftUI

**Interests:** Software Engineering, Data Pipelines, Machine Learning, Hawaiian and Japanese Culture, Martial Arts, Surfing, Chess

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