ETHAN GASPAR

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EDUCATION

Seattle University	**B.S in Computer Science**	**Spring 2026**
	Minor in Global Business	
	Overall GPA: 3.584	

COURSEWORK

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

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

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

Seattle University, Deans List   **Winter 2023, Spring 2023, Fall 2024, Spring 2024**

ADDITIONAL INFORMATION

Languages/Frameworks: Python, C++, JavaScript (basic), PHP (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