

ETHAN-JAMES GASPAR

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EDUCATION

Seattle University

B.S in Computer Science
Specialization in Finance

Spring 2026

Overall GPA: 3.5

PROJECTS

Computer Science Help Center Website

Spring 2024

- Developed a computer science help center website tailored to support Seattle University computer science students.
- Collaborated on a team of 4, adhering to agile principles as well as leveraging MS Teams and Github to streamline production.
- Led development of practice sections, was responsible for developing intuitive UX and implementing back-end functionality.
- Integrated a browser-based IDE utilizing the ACE editor API and provided support for various programming languages.
- Ran passed in code from ACE editor via locally hosted PHP server, leveraged Ngrok to enable secure tunneling from public site.

Web Scraper for Books to Scrape

Summer 2024

- Developed a web scraper in Python utilized Scrapy to extract book data from Books to Scrape.
- Implemented data pipelines to clean and output scraped data to CSV.
- Utilized command line interface to offer flexible scraping options to fulfill user needs.

Message Stream Management Software

Fall 2024

- Developed a message stream management software system in C++ with an emphasis on cohesion, type-safety and extensibility.
- Followed contractual design principles to guide decisions during development.
- Applied modern C++ memory management practices using smart pointers and RAII principles.
- Implemented multiple specialized data stream types utilizing inheritance to suit a wide range of client expectations.
- Utilized dependency injection to implement a container type to encapsulate a heterogeneous collection of message stream objects.
- Implemented 40+ methods including 10+ operators, leveraged virtual table to support consistent naming for an intuitive interface.

EXPERIENCE

Event Coordinator and Instructor - Seattle University Martial Arts Association

Fall 2023 - Present

- Utilize strong communication skills to work with other clubs and campus officials in organizing events.
- Lead martial arts classes of 10+ students, ensuring a safe and positive environment through assertive communication.
- Handled donations of and played a key role in acquiring 324 square feet (~\$2000) worth of tatami mats.

Resident Advisor (RA) - Seattle University

Fall 2024 - Present

- Lead collaborative efforts with other RA's to provide consistent support and mentorship to ~650 student residents living in my hall.
- Plan out and effectively manage a quarterly budget to fund inclusive community events.
- Act as a liaison between residents and administration, exercising patience in mediating conflicts and promptly reporting concerns.

Sales Associate - Local Motion Hawaii

Summer 2022- Present

- Assisted diverse customers in identifying needs and selecting appropriate products, enhancing their shopping experience.
- Collaborated with team members to achieve daily sales targets and provide excellent customer service.
- Maintained store organization and product displays to support sales goals.

ADDITIONAL INFORMATION

Languages/Frameworks: C++, C# (basic), Python, MySQL (basic)

Tools/Libraries: Scrapy, Pandas, Matplotlib, AWS (basic)

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

Interests: Virtual Machines, AI, Martial Arts, Fiction, Cyber-Security