

# Blayde Omura

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🖱 [blaydeomura.com](https://blaydeomura.com)

## EDUCATION

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### B.S., Computer Science

University of San Francisco

Dec 2024  
San Francisco, CA

- GPA: 3.83; Dean's Honor Roll (2020-2023)

## PROFESSIONAL EXPERIENCE

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### University of San Francisco MAGICS Lab

Undergraduate Machine Learning Research Assistant

Aug 2023 – present  
San Francisco, California

- Actively engage in research activities within the machine learning lab, contributing to ongoing projects while working closely with LLMs
- Play an integral role in exploratory data analysis (EDA) and assist in model training processes, ensuring research progress

### Malwarebytes

Site Reliability Engineer Intern

Jun 2023 – Aug 2023  
Santa Clara, California

- Participated in Agile DevOps initiatives, prioritizing infrastructure as code(IaC) through the use of Terraform with an emphasis on CI/CD
- Implemented quality assurance protocols, incorporating the development of watchdog alarms and the utilization of Git's version control
- Utilized Atlassian Confluence and Jira to streamline project documentation and facilitate agile issue tracking

### University of San Francisco

Resident Advisor

Aug 2021 – May 2023  
San Francisco, CA

- Mentored and provided guidance to a diverse community of 40+ students living within the dormitory
- Offered 24/7 support to an additional 350+ residents, effectively addressing various issues such as mental health, academics, and social conflicts
- Developed strong leadership and communication skills through the coordination of educational events such as Toxic Masculinity, Internship Preparation, and Mental Health

### Interrupt Media

Search Engine Optimization Intern

May 2021 – Aug 2021  
San Francisco, CA

- Implemented search engine optimization (SEO) strategies to elevate client Domain Rankings and significantly boost online visibility through Pitchbox
- Conducted website research, proactively reaching out to 80+ potential partners and clients daily to expanded business opportunities and establish connections for the company

## PROJECTS

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### Search Engine

Full Stack Engineer

- Designed and built a powerful search engine that crawls webpages and stores its contents using MariaDB for data storage, multithreading for improved performance, and an inverted index data structure for efficient search results retrieval
- Created a user-friendly web interface with HTML and CSS, powered by Java for back-end processing, showcasing proficiency in both front-end and back-end development

### Climate Data Analysis

Back End Software Developer

- Leveraged the computational efficiency and robustness of the C programming language to intricately process and analyze extensive volumes of weather data sourced from NOAA's North American Mesoscale Forecast System.
- Meticulously structured and presented the findings in a specified format, including an extensive dataset for each state comprising eleven distinct parameters, encompassing average humidity, temperature, and lightning strike patterns.

## PROGRAMMING LANGUAGES

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- Proficient in Java, Proficient in C, Proficient in Python, Beginner in Terraform