

Gerardo Barcenas

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EDUCATION

Bachelor of Science (B.S.) – Computer Science

California State University East Bay

Cumulative GPA: 3.4/4.0; Dean's List 2021-2022

Relevant Coursework: Software Engineering; Web Development; Data Structures & Algorithms

Hayward, CA

May 2023

WORK EXPERIENCE

WEB DEVELOPER

Independent Project - gbarcnasjr.github.io

Hayward, CA

Jun 2022 – Present

- Developed user-friendly portfolio website utilizing HTML, CSS & SASS for structure and design, JavaScript for interactive behavior, and deploying portfolio using GitHub Pages, to demonstrate front-end development proficiency

SOFTWARE DEVELOPER

Independent Project – [Moto-Safe App](#)

Hayward, CA

Feb 2021 – Sep 2021

- Developed iOS application using Swift, implementing Model-View-Controller architecture, and integrating APIs to track weather conditions based on user locations, improving motorcycle riding safety

UNIVERSITY PROJECTS

ACME TRAVEL AGENCY WEBSITE

May 2022

- Developed responsive company website using HTML & CSS for front-end, JavaScript, MySQL, & Ruby on Rails framework for the back-end, and Docker to containerize and deploy locally, to effectively demonstrate full-stack development ability.

MULTI-THREAD SYNCHRONIZATION

May 2023

- Developed a C Language implementation of the Producer-Consumer problem on Linux, with functions to create producer and consumer threads, manage a shared buffer, and ensure thread-safe operations

ACTIVITIES

HACK THE OUTBREAK

Adobe Hackathon

Hayward, CA

October 2022

- Part of a multi-major team that built rapid prototypes to an infectious disease outbreak, using Adobe's beta version of Adobe Aero and Excel, to create Augmented Reality solutions for medical staff through interpersonal communication

CO-FOUNDER/OFFICER OF DATA SCIENCE CLUB

Committee Member

Hayward, CA

Jan 2020 – May 2022

- Expanded club membership to 130+ and fostered a supportive learning environment through engaging events, Python workshops, and collaborative projects from Kaggle.com, enhancing members' skills and confidence in data science.

ADDITIONAL

Technical Skills: Python, Java, C, C++, JavaScript, SQL, HTML, CSS, Swift, Git, Ruby, Assembly, Prolog, CLISP

Languages: Fluent in English; Conversational Proficiency in Spanish

Certifications & Training: Online Course in Git & GitHub (Udemy), iOS Development Certification-With Honors (CodePath), Cyber Security Awareness Training Course (Udemy)