

Emil De Guzman

US Citizen 415-336-4670 em.deguzm@gmail.com

ekdeguzm.github.io
linkedin.com/in/emildeguzman

RELEVANT SKILLS

Python, JavaScript, Java, R, React, Next.js, jQuery, HTML/CSS, Bootstrap, Git, debugging and troubleshooting, data analysis and visualization, UI/UX Design, Figma, Project Management

EXPERIENCE

Mission Bit, Lead Front-End Web Development Instructor

January 2024 - August 2024

Bay Area-based non-profit centered around providing free quality coding programs for underrepresented students

- Led dynamic in-person front-end web development (HTML, CSS, Bootstrap, JavaScript, Figma) instruction to under-resourced high school students in San Francisco, fostering digital literacy and empowerment while tailoring the curriculum to meet evolving needs
- Curated and moderated educational content, driving a 40% increase in student engagement contributing to Mission Bit's impact on over 1,200 students across the Bay Area
- Collaborated across departments with strategists, executives, and managers to optimize curriculum delivery and project execution, achieving a 150% increase in curriculum efficiency and student project completion
- Mentored students in crafting projects aimed at positive community impact, fostering creativity and problem-solving skills, with 85% of students reporting increased confidence in their problem-solving abilities

Recurse Center, Programming Participant

January 2022 - December 2023

Three month intensive, self-directed retreat for programmers.

- Explored web development through Angela Yu's [Web Development Bootcamp](#), focusing on Node.js, React, PostgreSQL, Web3, and DApps, and culminating in the creation of [Dryclo](#), [Bog Blog](#), and [Space Invaders](#) (see Projects section).
- Fixed the date discrepancy bug in the Recurse Center presentations website (JavaScript/React)
- Trained new cohorts during onboarding sessions to foster a collaborative learning environment
- Learned algorithms via independent research and websites like LeetCode to advance problem-solving proficiency
- Developed a responsive [website](#) to showcase the work of a local Bay Area artist, enhancing their online presence and portfolio
- Collaborated with client to gather requirements, provide progress updates, and deliver tailored web solutions on time

Center for Watershed Sciences, Research Assistant

April 2018 - October 2018

- Visualized, analyzed, and modeled extensive aquatic data using the R programming language to support research on the impact of hydrologic variability on water quality and aquatic ecosystems
- Authored technical reports detailing data collection and modeling methodologies for project managers

HIGHLIGHTED PROJECTS

[Dryclo](#) – Python – Automated app using weather and messaging APIs to notify users of impending rain and weather conditions.

[Bog Blog](#) – JavaScript, Express, Node.js, Nodemon – Mushroom blog that enables users to create, view, and search posts

[Space Invaders](#) – Python – My interpretation of the classic space invaders game

EDUCATION

City College of San Francisco – *Associates in Science*, Computer Science

Expected 2025

University of California Davis – Bachelors of Science, Wildlife, Fish, and Conservation Biology

2018

SABBATICAL

Taipei Economic and Cultural Office Ministry of Education, Taipei, Taiwan

November 2022 - September 2023

- Awarded the Huayu Enrichment Scholarship for advanced-level Mandarin studies at National Taiwan Normal University
- Achieved TOCFL Exam Band A Level 2 Intermediate certification in Mandarin fluency for reading, writing, listening, and speaking