Emil De Guzman

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PROGRAMMING EXPERIENCE & PROJECTS

Mission Bit, San Francisco CA   *January 2024 - present*
Lead Front-End Web Development Instructor
- 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 and 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

Freelance Web Developer   *January 2024 - present*
- Developed responsive websites 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

Independent Study   *January 2022 - July 2024*
- Progressing through Angela Yu's Web Development Bootcamp, focusing on Node.js, React, PostgreSQL, Web3, and DApps
- Learning algorithms via independent research and websites like LeetCode in order to advance problem-solving proficiency
- Bog Blog, a full-stack web application using Express, EJS, and Node.js to enable users to create, view, and search blog posts; utilized Nodemon for streamlined development

Recurse Center, New York NY   *January 2022 - January 2024*
Frontend Engineer
- Dryclo, an automated application using weather and messaging APIs to notify users of impending rain and weather conditions. Built with Python, this tool allows users to prevent their outdoor clothes from getting wet
- Trained new cohorts during onboarding sessions to foster a collaborative learning environment
- Fixed the date discrepancy bug in the Recurse Center presentations website (JavaScript/React)

EXPERIENCE

James Denman Middle School San Francisco Unified School District, San Francisco   *January 2024 - June 2024*
Substitute Moderate Severe Special Education Teacher
- Organized and led group activities that promote teamwork, cooperation, and the development of life skills, enriching the quality of life for students and empowering them to live independently
- Facilitated social and emotional learning by teaching coping strategies, communication skills, and fundamental social interactions

Feather River Resource Conservation District, Quincy CA   *March 2021 - November 2021*
Forestry Technician
- Supervised a team of 25 contractors to plant 200,000 native sapling trees restoring 900 acres of a burned forest
- Conducted comprehensive surveys and data analysis on endangered species utilizing drone technology for accurate data collection

Center for Watershed Sciences, Davis CA   *April 2018 - October 2018*
Research Assistant
- 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

EDUCATION

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