

# Emil De Guzman

415 336 4670 [em.deguzm@gmail.com](mailto:em.deguzm@gmail.com)

[ekdeguzm.github.io](https://ekdeguzm.github.io)  
[linkedin.com/in/emildeguzman](https://linkedin.com/in/emildeguzman)

---

## RELEVANT SKILLS

Cross-Functional Collaboration, Python, JavaScript, R, React, Next.js, jQuery, HTML/CSS, Git, GitHub, Data Analysis & Visualization, Debugging, and UI/UX Design, Figma, Troubleshooting, Project Coordination, Operations Management

## EXPERIENCE

### City College of San Francisco, Teachers Assistant and Computer Science Tutor

January 2025 - Present

- Assisted students with computer science coursework, including debugging, programming concepts, and project support in areas such as Object-Oriented Programming, Data Structures, Algorithms, and Computer Architecture
- Fostered an inclusive and collaborative learning environment to promote skill development and confidence in foundational and advanced computer science topics

### Mission Bit, Lead Front-End Web Development Instructor

January 2024 - August 2024

- 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
- Led **cross-functional teams** to develop and implement a comprehensive curriculum, fostering a culture of continuous improvement through regular progress reviews and problem-solving sessions
- Managed project timelines and student deliverables, ensuring all web applications adhered to technical standards for final delivery
- Conducted weekly progress reviews with stakeholders, identifying and troubleshooting obstacles hindering student success, fostering a culture of problem-solving and continuous improvement

### Recurse Center, Participant

December 2021 - March 2022

- Challenged myself by creating personal projects such as [Dryclo](#), [Bog Blog](#), and [Space Invaders](#)
- Debugged and resolved issues in the open-source Recurse Center presentations codebases (JavaScript/React)
- Facilitated onboarding sessions for new participants, fostering a collaborative learning environment aligned with continuous improvement principles

### California Institute of Environmental Studies, Restoration Science Technician

February 2020 - March 2021

- Developed scalable solutions addressing ecosystem rehabilitation challenges, overseeing the removal of invasive species across 12,000 acres of native island habitat
- Collaborated with environmental teams to address long-term impacts on local wildlife and natural resources
- Visualized, analyzed, and modeled vegetation data to research the impact of plant variability on island ecosystems
- Authored technical reports detailing data collection and modeling methodologies for project managers

## EDUCATION

City College of San Francisco – Associates in Computer Science

May 2025

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

June 2018

## VOLUNTEER

### Web Developer

February 2024 - Present

- Developed responsive [websites](#) to highlight the work of local Bay Area artists, improving their online visibility and reach
- Collaborated with artists to gather requirements, provide progress updates, and deliver tailored web solutions on time