

Emil De Guzman

415 336 4670 em.deguzm@gmail.com

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

Skills

Technical Skills: Python, R, JavaScript, Java, Git, Pandas, Playwright, Selenium, Linux (beginner), CLI/Shell, Cron Jobs, Automation Pipelines, Barcode & Label Printing Systems, System Integrations

Core Competencies: Data Accuracy & Documentation, Customer Service & Client Support, Cross-Functional Collaboration, CRM & Workflow Systems (HoneyBook, ClickUp, JIRA), Issue Resolution

Employment

BillionToOne, Laboratory Information Management Systems (LIMS) Associate (Contractor) 2025 — Present

- Developed Python-based role and permissions audit tool for an enterprise laboratory information management system, implementing automated browser and API testing and generating executive-level reports for CAP inspection compliance.
- Directed a cross-functional project spanning IT, engineering, lab teams, and leadership to implement end-to-end Python automation pipelines integrating Clarity LIMS, NAS storage, and BarTender to enable fully automated printing workflows, accelerating label generation by **8x** (4 minutes to 30 seconds) and improving sample turnaround time.
- Led LIMS user support and system triage, resolving high-priority issues and absorbing **45%** of incoming tickets (60+/mo), contributing to the fastest turnaround times in the company's history.

Tony Howell & Co., Associate Developer (Freelance) 2025 — Present

- Served as a primary client-facing contact for business owners and creative professionals, managing email communication to gather requirements, resolve issues, and guide revision cycles.
- Maintained clear documentation of client requests and follow-ups while coordinating timelines and deliverables
- Built responsive websites in Webflow and Squarespace, incorporating structured client feedback via Markup

City College of San Francisco, Computer Science Teacher's Assistant & Tutor 2025

- 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 2024

- Taught front-end web development (HTML, CSS, JavaScript, Figma) to 30+ under-resourced high school students in San Francisco, increasing digital literacy through a 10-week, project-based curriculum tailored to evolving student needs.
- Led curriculum design and managed a cross-functional team of 8 instructors and TAs, ensuring 100% on-time completion of 30+ student web projects that met technical and design standards.

Education

Georgia Institute of Technology Master of Science, Computer Science 2028 (expected)

City College of San Francisco Associate in Science, Computer Science 2025

University of California Davis Bachelor of Science, Wildlife, Fish, and Conservation Biology 2018

Additional Experience

Substitute Teacher	San Francisco Unified School District	2023 — 2025
Logistics Manager	Tree Frog Treks	2022
Forester	Feather River Resource Conservation District	2021
Biological Science Technician	California Institute of Environmental Studies	2020 — 2021
Surveyor	Americorps	2019
Research Assistant	Center for Watershed Sciences	2017 — 2018