

# Emil De Guzman

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## 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