

LUCIANA SOLORZANO

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EDUCATION

University of Michigan

Ann Arbor, MI

Bachelor of Science in Engineering in Computer Science

Aug 2020 - Apr 2024

Coursework: Data Structures and Algorithms, Data Programming, Computer Architecture, Software Engineering, Computability Theory, Database Management Systems, Information Retrieval, Mobile App Development for Entrepreneurs, Web Systems

PROFESSIONAL EXPERIENCE

Galatea Bio

Miami, FL

Engineering Consultant Intern

Aug 2023 - Sep 2023

- Worked collaboratively to enhance genetic sample collection at Galatea Bio, contributing to product development through prototyping, market research, and user-driven insights.
- Designed and delivered a data-driven SEO strategy to the CEO, optimizing digital visibility and strengthening the company's outreach efforts.
- Visualized and analyzed site rankings and keyword competitor volume data using SQL and Python to edit content and html tags that increased the site ranking by 2% in the first week and a projected 5% monthly increase for the next 6 months.

Bright Vessel

Remote

Web Development Intern

Jun 2022 - Sep 2022

- Edited PHP and HTML files in accordance with the WordPress API, to resolve customer-reported conflicts for WooCommerce plugins, specifically Bright Vessel's "Cha Ching" plugin for WordPress admins.
- Addressed tickets and provided IT support to 50+ clients through Bright Vessel client chat bot.
- Relayed conflict information related to WooCommerce updates through Agile-structured Jira task lists.

ACADEMIC EXPERIENCE

University of Michigan

Ann Arbor, MI

Project - Instagram Clone Web App

June 2024

- Collaborated with a team via Git to develop a dynamic social media web app hosted on AWS EC2 instance utilizing HTML templating, CSS, JavaScript, React, and a Flask-based API.
- Built a multi-threaded, multi-process user search engine with TCP/UDP sockets, leveraging MapReduce and vector space model for "explore page" results.

University of Michigan

Ann Arbor, MI

Project - Contributing to pandas Open Source GitHub Codebase

May 2024

- Resolved Dataframe formatting issue for Python library pandas in accordance with GitHub/pandas contribution guidelines.
- Implemented test coverage strategies and automated test generation for 100+ integration tests to validate code edits eventually leading to changes merged.

LEADERSHIP

University of Michigan Sailing Team

Ann Arbor, MI

Club Sailing Team, Executive Board Member

Aug 2020 - Apr 2024

- Represented the team as Club Sports Liaison and Travel Chair. Served as the main contact between club sports and the team which included enforcing safety compliance, managing travel logistics, and selecting sailors for competitions.
- Awards: MCSA Women's Team Race Champion, MCSA All Conference Women's Skipper.

SKILLS AND CERTIFICATIONS

- *Certifications:* User Certified in Autodesk Inventor, WordPress LinkedIn Learning, Introduction to Power BI
- *Technical Skills:* JavaScript, PHP, CSS, HTML, React, C++, C, Python, SQL, Amazon Web Services (AWS), Flask, Git, WordPress API, Microsoft Office Suite, Jira, Quality Assurance Testing
- *Soft skills:* Problem-solving, Adaptability, Teamwork, Communication, Curiosity, Analyzation, Speed, Risk Assessment