

# LUCIANA SOLORZANO

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## EDUCATION

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### 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

## SKILLS AND CERTIFICATIONS

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- *Certifications:* User Certified in Autodesk Inventor, Wordpress
- *Technical Skills:* Javascript, PHP, CSS, HTML, React, C++, C, Python, SQL, AWS, Flask, Git, WordPress API

## EXPERIENCE

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### University of Michigan

Ann Arbor, MI

*Project - Instagram Clone Web App*

May 2023

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

### University of Michigan

Ann Arbor, MI

*Project - Creative Writing App "Plot Web"*

Apr 2023

- Developed a cross-platform application using Flutter SDK, enabling creative writers to dynamically visualize character relationships and plot development.

### Galatea Bio

Miami, FL

*Search Engine Optimization*

Aug 2023 - Sep 2023

- Analyzed keyword rankings and website content with a multi-disciplined team to improve Galate Bio's search engine results page ranking.
- Developed scheduled execution batch script to scrape Google Search Page Results and store into database.
- 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.

### University of Michigan

Ann Arbor, MI

*Project - Contributing to pandas Github Codebase*

Feb 2022

- Resolve Dataframe formatting "Issue" for python library pandas in accordance with GitHub/pandas contribution guidelines.
- Implemented test coverage strategies and automated test generation to thoroughly analyze code edits.

### 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.
- Resolved tickets and provided IT support through Bright Vessel client chat bot.
- Relayed conflict information related to Woocommerce updates to Agile-structured Jira task lists.

## LEADERSHIP

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### University of Michigan Sailing Team

Ann Arbor, MI

*Club Sailing Team, Executive Board Member*

Dec 2022 - Jan 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: 2023: MCSA Women's Team Race Champion, MCSA All Conference Women's Skipper.