Marissa Bui

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EDUCATION

Loyola University Chicago   Chicago, IL
Bachelor of Science in Software Engineering, Minor in Information Systems (GPA: 3.8)

EXPERIENCE

Research Assistant

BullyBlocker Project | Chicago, IL | August 2024 - Present

- **Developing 10+ user interfaces** for a social media research study. Using Figma to design an alternative social media option focused on wellbeing and preventing LGBTQ+ directed cyberbullying.

Web Administrator

Loyola Computer Science | Remote | July 2024 - Present

- **Incorporating social media** and news sections to the site for **increased interaction** and development.
- Maintaining front-end interface of site pages using custom content management system and web dev spaces.
- **Facilitating outreach** to university staff and student orgs. for engagement and information.

Web Developer

The Phoenix News | Remote | May 2024 - Present

- **Formulating site analytics** methods to develop a new user experience, leading to **a 40% increase in activity in 6 months**.
- **Design 4+ multimedia options** for online engagement, incorporating video and audio formats.
- Collaborating with the business manager to **boost ad revenue by 213% through web integration** and promotional efforts.
- Achieve a **10% increase** in newsletter sign-ups within the first month of implementation by **integrating MailChimp API**.

Office Assistant

Office of the Registrar, Loyola University Chicago | Chicago, IL | Sept. 2023 - May 2024

- **Contributed 25% of the website approval** process for university-wide catalog.
- Developed **+5 online training guides** for the transfer credit system, covering university partners nationwide.
- **Streamlined database management** tasks like URL associations, format, and content.

PROJECTS

Software System - Taxi User Simulation

Java | AGILE | Object-Oriented Design

- Java model of a transportation service following **AGILE development** and **software architecture principles**. Using an **object-oriented** approach, the system tracked 100s of different routes of users, taxis, and bikes with extensible features such as cancellation and shared rides affecting movement.

Data Visualizations - Lobbyist API

Python | Data Analysis | JSON | Data Visualization

- Integrated multiple datasets on Chicago lobbyist contributions to **visualize and analyze trends**. Accessing **JSON endpoints with Python**, over **+10 visual models** were made for the identification of significant actions and political campaigns.

SKILLS & TECHNOLOGIES

Languages: Python, Java, JavaScript, SQL (Postgres, Teradata)

Web Development: HTML, CSS, React.js, PHP

Tools: Git, Linux, Microsoft Office, Power BI, Tableau

Design: Figma, Adobe (Photoshop, Illustrator, XD)