

# Gabriel Fortuny

Ann Arbor, MI

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## Summary

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Student at the University of Michigan studying Computer Science, Cognitive Science, and Philosophy. Driven by a passion for crafting elegant software solutions that make a positive impact. Proficient in Python, C++, and SQL, with strong critical thinking skills and a multidisciplinary background. Excited to contribute to organizations making an impact through technology.

## Education

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### University of Michigan

*Bachelor of Science in Computer Science*

*Bachelor of Science in Cognitive Science, Philosophy*

**Ann Arbor, MI**

*August 2021 – May 2025*

○ **GPA:** 3.3/4.0

○ **Awards:** University Honors, College of Engineering Dean's Honor List

○ **Coursework:** Data Structures and Algorithms, Web Systems, Computer Security, Database Management Systems, Data Science, Computer Organization, Ethics

## Work Experience

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### LSA Technology Services

*Engineering Technician*

**Ann Arbor, MI**

*June 2024 – December 2024*

- Developed a C# library to control classroom cameras, enabling reliable, automated control
- Installed and configured audiovisual equipment, ensuring seamless integration for classroom use
- Optimized processes for preparing, documenting, and organizing inventory, supporting operational efficiency

### South Pointe Technologies

*Software Engineering Intern*

**Miami, FL**

*May 2023 – July 2023*

- Designed a relational database for a Miami-based nonprofit to improve efficiency in record keeping
- Developed data preprocessing scripts in C++ to migrate records from Microsoft Access to SQL Server
- Created entity-relationship diagrams to effectively communicate database design to supervisors

### Lemartec

*Project Management Intern*

**Miami, FL**

*July 2022 – August 2022*

- Supported the successful execution of Lemartec's PortMiami Terminal F construction project
- Tracked and reported daily progress on signature canopy features to lead engineers for quality control
- Researched cost-effective decorative gravel options, balancing aesthetics with budget optimization

## Project Experience

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**Epilepsy Treatment App:** Software architect, backend design using Docker, Flask, PostgreSQL. and Ollama

**insta485:** Instagram clone using Flask, Python, HTML, and CSS

**"Fakebook":** Database design for a mock social media platform

**Eucre:** Command line game written in C++

## Skills

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**Programming Languages:** Python, SQL, C++, C, C#

**Web Development:** Flask, HTML, CSS, Jekyll, GitHub Pages

**Tools:** VS Code, Docker, AWS, Git, GitHub, 1Password, L<sup>A</sup>T<sub>E</sub>X

**Languages:** Native Spanish speaker