Lily MacInnis

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EDUCATION

University of Central Florida   **Expected May, 2027**

Computer Science B.S. | Genomics and Bioinformatics Minor   *Orlando, FL*

- **GPA: 3.9**
- Coursework: Object Oriented Programming, Introduction to Discrete Structures, Writing for the Technical Professional, Computer Science I/II, Genetics, Computer Organization and Logic, Statistics, Systems Software, Processes for Object Oriented Software Development

TECHNICAL SKILLS

- **Languages:** C, Java, HTML, CSS, JavaScript
- **Technologies:** React, Node.js, Express, MongoDB, Zustand, JWT, Axios, Tailwind CSS, Nodemon, Linux, Bash, Valgrind, Git, Flutter
- **Tools:** Figma, Microsoft Office (Word, PowerPoint, Excel)

PROJECTS/SCHOOLWORK

DrawDrop   **May 2025 – July 2025**

Fullstack Developer

- Developed a fullstack web application allowing users to illustrate and send drawings to other users anonymously or publicly, using a MERN stack.
- Engineered secure authentication and authorization using JWT.
- Implemented a search API endpoint resulting in increased performance efficiency when displaying users.
- Successfully deployed a fullstack application using Render.

Contact Library   **Aug. 2025 - Oct. 2025**

Project Manager | Frontend / UI Developer   *Processes for Object Oriented Software Development*

- Lead a team of 5 engineers in developing a fullstack contact manager website including 6 pages and 7 API endpoints with user authentication and full CRUD operations using a LAMP stack by organizing meetings, delegating tasks, setting deadlines, and providing instruction and further learning strategies.
- Authored 8 pages of documentation of detailed git version control instructions, resulting in increased understanding and successful utilization of git among teammates.
- Prototyped the website design and implemented it using HTML and CSS.

Codele   **Oct. 2025 - Nov. 2025**

Frontend / UI Developer | Mobile Developer   *Processes for Object Oriented Software Development*

- Collaborated with a team of 5 developers to create a fullstack MERN application enabling users to submit code solutions to daily coding challenges and interact with a leaderboard.
- Developed and integrated certain user authentication components on the frontend using React.
- Engineered a mobile Android app using Flutter, implementing user authentication and leaderboard functionality.

EXPERIENCE

Titusville Public Library   **Feb. 2022 – Sep. 2022**

Volunteer   *Titusville, FL*

- Collaborated with a team of 4 other library employees to assist in the smooth execution of library events by performing a variety of tasks including directing customers to the event's location and other important areas, distributing food to customers, instructing children in completing crafts, and cleaning up after events.
- Organized and shelved over 1000 books using the Dewey Decimal System and other cataloging methods.