

Lennon Rozo

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Software Engineering student with a 4.0 GPA and strong foundations in data structures, algorithms, and system design. Built full-stack and backend systems using React, Django, REST APIs, and SQL with performance and scalability in mind. Seeking SWE intern and new-grad roles in high-impact engineering teams.

EDUCATION

LeMoyne Owen College - Memphis, TN

Bachelor of Science in Computer Science, GPA: 4.0 | Aug 2023 - May 2027

TECHNICAL SKILLS

Languages & Frameworks: Python, Java, JavaScript, SQL | Django, React.js

Frontend & Backend: HTML, CSS, Tailwind CSS | RESTful APIs, Authentication, MVC Architecture

Databases: MySQL, Relational Schema Design

Core CS: Data Structures & Algorithms, OOP, Complexity Analysis

Tools + Other: Git, GitHub, VS Code | API Integration, LLM Integration, Debugging & Optimization

EXPERIENCE

eBay Pathways Program - Software Engineering Intern Prep (Remote) | May 2025 - July 2025

- Solved 50+ algorithmic problems using arrays, hash maps, trees, graphs, and dynamic programming.
- Applied Big-O analysis to refine solutions optimizing for runtime and memory efficiency.

Embedded Software Research Intern - LeMoyne Owen College | Feb 2025 – July 2025

- Built Python-based data processing pipelines to analyze test sensor data with improved accuracy and reproducibility.
- Contributed to 2 academic publications through technical documentation and data analysis support.

PROJECTS | Lennon | Software Engineer Portfolio

MentorMatch - Scalable Mentorship Matching Platform | React, Django, MySQL

- Designed and implemented a **full-stack web app** with **RESTful backend services**, auth, and profile management.
- Engineered a **normalized MySQL relational schema** to support efficient filtering and future extensibility.
- Implemented **server-side filtering and pagination** to optimize query performance and reduce API response latency.
- Evaluated tradeoffs between client-side and server-side filtering to improve performance while maintaining data integrity.

Focus-Flow – Accessibility Focused Browser Extension | JavaScript, Browser APIs, LLM APIs

- Designed and built an extension to improve web navigation and reading comprehension for stroke recovery patients.
- Implemented a visual shift engine and dynamic focus ruler using browser APIs to reduce cognitive load for users with hemineglect. Batched LLM API requests, reducing API calls from $O(n)$ to $O(1)$ per page lowering cost and latency.
- Integrated LLM-based text simplification pipelines to transform complex web content into accessible reading levels for aphasia patients.
- Evaluated performance tradeoffs between real-time DOM manipulation and pre-processed content rendering to maintain responsiveness.

HONORS & AWARDS

Dean's List | W.E.B. DuBois Honors Student | Board of Trustees Scholarship