ELIJAH (ELI) PAULMAN

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EDUCATION

The Ohio State University - College of Engineering   **Columbus, OH**
Bachelor of Engineering in Computer Science and Engineering, GPA: 3.83   *December 2025*

TECHNICAL SKILLS

- **Languages & Frameworks**: Java, C#, Python, TypeScript, JavaScript, C, SQL, HTML, CSS, x86 Assembly
- **Tools & Platforms**: AWS (Lambda, AppSync, S3), Git, MySQL, MongoDB, Visual Studio, VS Code, MATLAB
- **Core Skills:** REST and GraphQL APIs, Machine Learning, Computer Vision, Statistics, Agile Development

EXPERIENCE

Amazon   **Denver, CO**
Software Development Engineering Intern – Devices   *May 2025– August 2025*

- Built a scalable, full-stack product catalog system managing 15,000+ trade-in items with historical pricing, product lines, merchant data, eligibility rules, and server-side filtering/search.
- Automated catalog generation and ETL workflows using Vue.js, AWS AppSync (GraphQL), and AWS Lambda, increasing operational efficiency and reducing manual price and item feed input by ~60%.
- Took ownership of a production system, independently driving the full development cycle: gathered requirements, led design and feedback reviews, researched implementation tradeoffs, and delivered a robust and maintainable solution.
- Collaborated with cross-functional stakeholders to align on goals, ensuring successful deployment and adoption by internal teams.

IBM   **Virtual**
Accelerate Fellowship Program – Software Engineering   *June 2024– August 2024*

- Developed full-stack web apps using JavaScript, React, and Node.js, applying cloud-native best practices and principles.
- Completed hands-on projects covering data structures, algorithms, and application security, strengthening problem-solving and coding proficiency.
- Collaborated with IBM engineers on code reviews and mentorship, gaining hands-on industry experience.

London Computer Systems   **Cincinnati, OH**
Software Developer Intern – API   *May 2024– August 2024*

- Developed REST APIs using C#/.NET, and SQL to enhance Rent Manager's internal and integration functionality.
- Resolved 20+ bug tickets through systematic debugging, improving stability and reducing customer reported issues.
- Reengineered online booking queries to improve performance and lower memory use, reducing query time by 40%.
- Delivered 7 API tickets for a new leasing center feature, streamlining prospect management and manager workflows.
- Maintained business layer and data layer logic for CRUD operations, ensuring robust data management capabilities.

Software Quality Assurance Intern – API   *May 2023– August 2023*

- Designed and executed 50+ Rent Manager API test plans using Jira with Xray integration and Postman software.
- Developed precise REST API calls to validate endpoints, ensuring 100% accuracy in expected vs. actual JSON data.
- Utilized MySQL to query and manipulate databases for pre/post-test data validation, improving defect detection.
- Partnered with developers to resolve 15+ critical defects, reducing overall average bug resolution time.

PROJECTS

Repo Rover | *Elasticsearch, LangChain, Flask, Python, Next.js*

- Built a web AI assistant with a RAG pipeline to provide repository code explanations, security scans, and insights.
- Implemented hybrid semantic and keyword search with vector embeddings to generate contextual, cited answers.

Alumni Network Platform | *MERN Stack, Tailwind CSS* | *Hackathon Winner*

- Built a full-stack networking platform for LMCC with user profiles, opportunity listings, calendar, and dynamic feeds.

ACTIVITIES & INVOLVEMENT

OHI/O (Ohio State's Hackathon Program)   **Columbus, OH**
Marketing and Communications Committee   *August 2023 – Present*

- Supporting hackathon planning and marketing for 1,600+ students to foster innovation and industry engagement.

Engineers for a Sustainable World   **Columbus, OH**
President – Former Director of Community Service   *January 2023 – May 2025*

- Led 20+ engineers in sustainable projects, fostering collaboration and measurable community impact.