

ELIJAH (ELI) PAULMAN

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EDUCATION

The Ohio State University, College of Engineering – Engineering Scholars
Bachelor of Science in Computer Science and Engineering, GPA: 3.83

Columbus, OH
December 2025

TECHNICAL SKILLS

- **Languages, Libraries, & Frameworks:** Java, C#, Python, C, SQL, x86-64 Assembly, JavaScript, HTML, CSS
 - **Software:** Visual Studio, VS Code, Eclipse, GitHub, Git, Microsoft Office, MATLAB, SolidWorks, MySQL
 - **Skills:** AWS, REST APIs, Agile Development, Unit Testing, Machine Learning
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EXPERIENCE

Amazon

Denver, CO

Software Development Engineering Intern – Devices

May 2025– August 2025

- Built a scalable product catalog system managing 13,000+ trade-in items, integrating historical pricing, product lines, merchant data, eligibility rules, and server-side filtering, search, and pagination.
- Automated catalog generation and ETL workflows using Vue.js, AWS AppSync (GraphQL), and AWS Lambda, increasing operational efficiency and reducing manual input by ~60%.
- Developed and deployed machine learning models with AWS SageMaker and Bedrock to predict trade-in values and eligibility, leveraging item condition, market demand signals, and historical acceptance rates.
- Collaborated with cross-functional stakeholders to define requirements, lead design reviews, and deliver a robust production system on schedule.

IBM

Virtual

Accelerate Fellowship Program – Software Engineering

June 2024– August 2024

- Completed 7 weekly labs on data structures, algorithms, front-end, back-end development, and application security.
- Advanced skills in JavaScript, React, Node.js, and cloud-native development through hands-on projects and mentorship with IBM Software Developers and industry leaders.
- Engaged in networking and mentorship activities, building a strong professional network and gaining industry insights.

London Computer Systems

Landen, 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 query engine by removing SQL CTEs, cutting query time 40% and lowering memory use.
- 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.
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PROJECT HIGHLIGHT

Alumni Network Platform | Hackathon Winners / *MongoDB, Express, React.js, Node.js, Tailwind CSS*

- Partnered with the Lower Manhattan Cultural Council to gather detailed requirements and architect an alumni networking platform featuring opportunity postings, event scheduling, dynamic content feeds, and user profiles.
 - Implemented user authentication, tagging, filtering, and search functionality, enhancing scalability and fluid networking.
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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 sustainable projects and initiatives, driving cross-disciplinary collaboration and community engagement.
- Directed 20+ engineers in implementing sustainable projects aimed at reducing environmental impact.