

# Henry Fritz

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## EDUCATION

**The Ohio State University, College of Arts & Sciences**

**Columbus, OH**

*Bachelor of Science in Computer Science*

*May 2026*

· University Honors Program, Dean's List, Provost Scholar | **GPA: 3.8 / 4.0** | ACT: 34

· Minor: Business Administration

## WORK EXPERIENCE

### AIG

**Jersey City, NJ**

*Software Engineer Intern*

*June 2025 - Present*

· Assisted in developing AIG's GenAI claims model, analyzing 50M+ historical records to improve underwriting accuracy

· Led migration of 15+ legacy assets to AWS (S3/RDS), improving transfer efficiency and reducing compliance risk

· Built CI/CD pipelines for 3+ intern projects using GitHub Actions and Azure DevOps, cutting deployment time by 50%

### Alphabet (Startup)

**Columbus, OH**

*Founding Engineer*

*May 2025 - Present*

· Engineered the backend API, creating 10+ microservices and 3 Azure Functions to process 1000+ concurrent user transactions

· Implemented hybrid database architecture in Azure, achieving data synchronization across 55+ concurrent sports leagues

### Ohio State University

**Columbus, OH**

*Teaching Assistant*

*August 2024 - December 2024*

· Facilitated learning for a class of 36 underclassmen, providing support in DSA and concepts in Java, Python, and C++

· Improved student understanding and outcomes by conducting 10+ weekly office hours, resulting in a 25% increase in scores

### IBM, Neudesic

**Columbus, OH**

*Software Engineer Intern*

*May 2024 - August 2024*

· Developed and optimized serverless functions in Azure to process and analyze a library of over 70 million entries, ensuring seamless data ingestion and transformation while implementing robust error handling and monitoring systems

· Designed cloud infrastructure to support 1000+ function executions, reducing latency by 20%, maintaining 99.9% uptime

· Accelerated projects by leveraging .NET in an Agile environment, achieving a 30% improvement in sprint deliverables

### Domum Gym

**Seattle, WA**

*Software Development Intern*

*May 2023 - June 2024*

· Led two key projects targeting improvement of data protection and security, increasing security rate by 33%

· Boosted application performance by optimizing database queries, reducing load times by 200%, raising efficiency

## INVOLVEMENT & PROJECTS

### Computer Science Peer Mentors

**Columbus, OH**

*Teaching Assistant, Mentor*

*August 2024 - Present*

· Delivered individualized mentorship to 15 Honors program students, resulting in elevated academic performance and a notable increase in retention rates across all participating scholars within the university's Computer Science department

· Created learning materials accessed by over 40 students, improving comprehension of complex CS topics

### Pi Sigma Epsilon Business Fraternity

**Columbus, OH**

*Vice President of Professional Development*

*August 2023 - Present*

· Spearheaded development and maintenance of comprehensive alumni database tracking 300+ professionals across 50+ Fortune 500 companies, enhancing networking opportunities and mentorship connections

· Constructed a professional development program to educate 140 members on academic and recruiting tactics

### Apple Developer Program

**Rocky River, OH**

*Founder*

*July 2021 - Present*

· Published 2+ successful applications to the iOS App Store, generating over 34,000 organic impressions and achieving over 2,000+ downloads across 22 countries worldwide through strategic App Store optimization and targeted marketing initiatives

· Operated as both a developer and a team lead, directing a team of 4 developers to design and develop a progressive web app

### IBM Z Student Ambassador

**Columbus, OH**

*President, Founder*

*August 2024 - June 2025*

· Selected to join a global cohort of 190 ambassadors across 36 countries to represent IBM at Ohio State

· Coordinated 10+ educational sessions and hands-on workshops to introduce students to IBM Z's mainframe solutions

· Introduced and trained 50+ club members in COBOL, Python, and IBM Z's learning platform, improving overall proficiency

## TECHNICAL SKILLS

**Languages:** Python, Typescript, Javascript, Swift, Java, C, C++, Dart, COBOL, SQL, HTML, CSS, XML, Ruby

**Developer Tools:** Azure, AWS, Git, Postman, Docker, Prisma, Jira, MongoDB

**Libraries/Frameworks:** ReactJS, NextJS, NodeJS, Flutter, PostgreSQL, VueJS, Flask, AngularJS, ASP.NET, Express.js, Lynx

**Certifications:** Microsoft Azure Fundamentals, IBM Z Xplore Concepts, Academind Flutter & Dart