

Henry Burke

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EXPERIENCE

Walmart Global Tech

Software Engineer II

Bentonville, Arkansas

July 2025 – Present

- Took ownership as US lead of Carbon UI, an enterprise scale React / Next JS application utilized by hundreds of users across multiple Walmart Pharmacy business teams to manage drug, insurance and prescriber data
- Spearheaded two quarter-long projects, leading task delegation among other UI associates and delivering clean and efficient React enhancements on schedule
- Directly interfaced with our applications clients, rapidly turning business needs into shipped features
- Maintained and improved a large scale production codebase, ensuring stability and performance for a critical pharmacy platform

Walmart Global Tech

Software Engineering II Intern

Bentonville, Arkansas

June 2024 – August 2024

- Designed and deployed a Kafka / Cassandra pipeline and two Java SpringBoot microservices to process millions of daily price changes, improving future volume estimates by 40%
- Architected and deployed a full stack dashboard application delivering real time price change insights to store operators, managers and merchants
- Collaborated with and presented findings to a diverse team of Software Engineers of all levels, ranging from the Junior to VP, fostering cross-level communication and teamwork

Software Engineering Maintenance and Evolution Research Unit (SEMERU)

Williamsburg, Virginia

Software Engineering Intern

May 2023 – August 2023

- Trained Large Language Models to automate software engineering tasks including code summarization and bug detection
- Coauthored paper titled “Benchmarking Causal Study to Interpret Large Language Models for Source Code” which was accepted to be published in the International Conference on Software Maintenance and Evolution
- Collaborated with a diverse team of Engineers, Professors, and Graduate Students throughout multiple sprint cycles, successfully achieving long-term objectives, including the submission of multiple scholarly papers

Google Developer Student Club

Williamsburg, Virginia

Project Lead

February 2023 – Present

- Created frontend of website with multiple different user experiences for the Interfraternity Council that was used by ~800 students (10% of students at William and Mary)
- Spearheaded planning, approval, and completion of new project within first year as a consultant
- Worked closely with the William and Mary Entrepreneurship Center to host and maintain a rewards system for students and faculty

EDUCATION

The College of William and Mary

Williamsburg, Virginia

Bachelor of Science in Computer Science, Minor in Mathematics

2025

SKILLS

Languages & Frameworks: React, Next.js, Java, Python, JavaScript, TypeScript, Spring Boot, C, C++, SQL

Technical Skills: Kafka, Cassandra, Kubernetes, Jenkins, HTML, CSS, Git, GitHub, Pytorch, Pandas, NumPy