

# Nicholas Zolton

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## TECHNICAL SKILLS

**Programming Languages:** Java, C#, C++, C, Python, JavaScript, TypeScript, HTML, CSS

**Tools/Frameworks:** Git, React, React Native, NodeJS, Spring, Docker, Kubernetes, FastAPI, Flask, Svelte

## EXPERIENCE

### Software Engineer

February 2025 - May 2025

*Walmart Global Tech - Global Workforce Management Analytics Team*

*Bentonville, AR*

- Spearheaded the integration of Walmart Canada into our analytics architecture for our team, which will save \$1,000,000s of dollars in third party contracts going forwards.
- Designed and implemented data pipelines using Apache Airflow and BigQuery to build and deploy core analytics infrastructure, enabling business leadership to make data-driven decisions regarding labor demand and scheduling.
- Built robust monitoring, alerting, and data correction processes to ensure metric accuracy for users, significantly improving reliability of business decision systems.
- Utilized React, Node, and Redux to build and maintain a web application with over 60,000+ monthly active users.

### Software Engineering Intern

June 2024 - August 2024

*Walmart Global Tech - Global Workforce Management Demand Team*

*Bentonville, AR*

- Worked on the Global Workforce Management Demand team to build and deploy core infrastructure with Java SpringBoot which helps facilitate the scheduling of 2.3 million associates globally.
- Built a microservice using Java SpringBoot to meet business stakeholder needs, and saved 10s of hours each month of labor which required critical accuracy.
- Reduced tech debt by 30% on all of our teams projects by refactoring and rewriting legacy code, which greatly increased the speed of further development and lowered overall maintenance costs significantly.

### Software Development Intern

November 2022 – May 2023

*Truist Financial Corporation*

*Richardson, TX*

- Developed C# and SQL code using the .NET framework.
- Worked with a production software team on the core infrastructure of the BenefitMall services.

### Software Engineering Intern

December 2021 – July 2022

*Brains4Drones*

*Richardson, TX*

- Spearheaded the use of Docker and in our embedded systems to improve code portability.
- Contributed to vital external open source projects including YOLOv5.

## EDUCATION

### University of Texas at Dallas

GPA: 4.0

*Bachelor of Science in Computer Science*

*December 2024*

## PROJECTS

### MedMate | *Python, React Native, JavaScript, Flask*

April 2023

- 1st place overall project at Axxess' First Inaugural Hackathon.
- Created a full stack mobile healthcare app using React Native and Flask able to translate important medical knowledge between 40+ different languages.

### Redwood | *Python, React, JavaScript, FastAPI*

November 2023

- Finalist project at HackPrinceton 2023.
- Leveraged topological sort to generate a learning path which determines the shortest path of knowledge for users to learn a complex topic using SpaCy.

## ACHIEVEMENTS

**Google Developer Student Club President**

2023 - 2024

**HackPrinceton 2023 Finalist**

November 2023

**HackRICE 13 Hackathon 2nd Place Environmental Hack**

September 2023

**Axxess 2023 Hackathon Overall 1st Place**

April 2023

**HackUTA 2023 Overall 2nd Place**

October 2023

**WEHack 2023 Hackathon 2nd Place Machine Learning**

February 2023

**1st Place Engineering Capstone Project at UTD**

December 2024