

Nicholas Zolton

281-913-9227 | nicholaszolton@gmail.com | nicholaszolton.dev/ | github.com/NicholasZolton

EDUCATION

University of Texas at Dallas

Bachelor of Science in Computer Science

GPA: 4.0

December 2024

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 II

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.

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