

Nicholas Zolton

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

TECHNICAL SKILLS

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

Tools/Frameworks: React, React Native, NodeJS, Spring, Docker, Kubernetes, FastAPI, PyTorch, Svelte

EXPERIENCE

Chief Technology Officer

Happyverse

Oct 2025 - Present

San Francisco, CA

- Leading technical strategy for a pre-seed startup valued at \$10M backed by Village Global, Jeff Dean, and Nvidia's Inception
- Spearheaded strategic partnerships and integrations with NVIDIA, Google, AWS, and Azure to validate technical assumptions and accelerate product adoption

Head of Engineering

Sep 2025 - Oct 2025

- Implemented agentic solutions including knowledge retrieval, MCP integration, and interactive screen features, resulting in a significant increase in pilot user engagement and retention
- Reduced GPU inference costs by 75% without affecting broader quality benchmarks by optimizing model infrastructure and enabling distributed, parallelizable inferencing solutions

Founding Software Engineer

Jun 2025 - Aug 2025

- Architected distributed, real-time video-conferencing AI systems using WebRTC and Triton; rapidly grew product to 1,000+ users with hundreds of AI conversations weekly
- Built a B2B web-app for tailoring real-time AI experiences, owning the React/TypeScript frontend, backend/infra, and Kubernetes orchestration

Software Engineer

Feb 2025 - Jun 2025

Bentonville, AR

Walmart Global Tech - Global Workforce Management Analytics Team

- Integrated Walmart Canada into analytics platform, eliminating multi-million-dollar third-party costs
- Built data pipelines with Airflow/BigQuery and improved frontend performance for a web app serving 60k daily users
- Developed and deployed critical infrastructure components using Java Spring for the Global Workforce Management Demand team, directly facilitating the automatic scheduling of 2.3 million associates worldwide

Software Engineering Intern

Jun 2024 - Aug 2024

Bentonville, AR

Walmart Global Tech - Global Workforce Management Demand Team

- Spearheaded Java Spring microservice for critical task automation, saving dozens of monthly labor hours
- Reduced tech debt by 30% across team projects through legacy code refactoring, improving development velocity and lowering maintenance costs

Software Development Intern

Nov 2022 – May 2023

Richardson, TX

BenefitMall

- Optimized C# and SQL stored procedures for W-2 services, reducing report generation time by up to 50%

Software Engineering Intern

Dec 2021 - Aug 2022

Dallas, TX

Brains4Drones

- Pioneered use of OpenVINO, YoloV5, and TensorRT to increase embedded vision-inferencing AI performance by 400%+
- Managed two vital projects and developed 5,000+ lines of production code, removing reliance on shortage-ridden hardware

EDUCATION

University of Texas at Dallas

GPA: 4.0

Bachelor of Science in Computer Science

Dec 2024

PROJECTS

Sparrow Link | FastAPI, Postgres, React, Typescript

Dec 2024

- 1st place Engineering Capstone project at The University of Texas at Dallas
- Developed a remote research platform for Spark Biomedical, accelerating clinical trials and data collection for their neuro-stimulation device, and enabling secure remote access to medical technology

ACHIEVEMENTS

1st Place Gemini x Pipecat (\$100,000 prize)

Oct 2025

1st Place Engineering Capstone Project at UTD

Dec 2024

HackPrinceton 2023 Finalist

Nov 2023

HackUTA 2023 Overall 2nd Place

Oct 2023

HackRICE 13 2nd Place Environmental Hack

Sep 2023

Axxess 2023 Overall 1st Place

Apr 2023

Google Developer Student Club President

2023 – 2024