

# Nicholas Zolton

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## 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

Oct 2025 - Present

*Happyverse*

*San Francisco, CA*

- Leading technical strategy for a pre-seed startup valued at \$10M backed by Village Global, Jeff Dean, and Nvidia's Inception
- Secured multiple 5-figure enterprise contracts by leading end-to-end customer evaluations spanning technical discovery, solution design, and enterprise security requirements

### Head of Engineering

Sep 2025 - Oct 2025

*Happyverse*

*San Francisco, CA*

- 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

*Happyverse*

*San Francisco, CA*

- 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

*Walmart Global Tech - Global Workforce Management Analytics Team*

*Bentonville, AR*

- 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

### Teaching Assistant - Discrete Mathematics

Aug 2024 - Dec 2024

*University of Texas at Dallas*

*Richardson, TX*

- Mentored 40+ students in discrete mathematics concepts including logic, set theory, and graph theory, facilitating a deeper understanding of computer science and algorithm fundamentals
- Collaborated with faculty to grade assignments and exams, providing detailed feedback to support student learning and academic success

### Software Engineering Intern

Jun 2024 - Aug 2024

*Walmart Global Tech - Global Workforce Management Demand Team*

*Bentonville, AR*

- 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

*BenefitMall*

*Richardson, TX*

- 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

*Brains4Drones*

*Dallas, TX*

- 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

Google Developer Student Club President

2023 - 2024

Hackathon Awards: HackUTA (2nd), Axxess (1st), HackRICE (2nd), HackPrinceton (Finalist)

2023