

# 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 \$1.7M pre-seed startup 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

*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

**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

**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