

# Eric Zazovsky

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## University of Texas at Austin

Bachelor of Science in Computer Science, Bachelor of Science in Mathematics

Relevant Coursework: Data Structures, Computer Organization and Architecture, Operating Systems

Austin, TX

Expected May 2027

GPA: 3.73

## TECHNICAL SKILLS

**Languages:** Java, Python3, C/C++, JavaScript, TypeScript HTML/CSS

**Frameworks:** React, Node.js, SpringBoot

**Developer Tools:** Git, Docker, Proxmox, Auvik, VMware, Google Cloud Platform, LightSail, AWS, Vercel

**Libraries:** pandas, NumPy, Matplotlib, PyTorch, Robomimic, Robosuite

## EXPERIENCE

### Thrive Education

November 2024 - Present

Full-Stack Software Engineering Intern

Houston, TX

- Engineered and deployed a Patient Care Management (PCM) portal using **Next.js** and enabled real time user management for doctors at **3 separate clinics** to be able to service over **200 patients**.
- Created **JSON Web Token** based authentication mechanisms within the backend to safeguard sensitive patient data and ensure HIPAA.
- Created backend **REST API** to communicate with and handle requests from the frontend PCM form and integrate them into the **SQL** database.
- Utilized **Docker** for containerization of frontend and backend applications, ensuring consistent deployment environments.

### University of Texas at Austin

January 2024 - Present

Peer Mentor for Freshman Research Initiative

Austin, TX

- Instructed a group of over **40 students** through their first research experience by assisting students with gaining efficient laboratory skills, properly conducting research analysis, and finally conducting their own independent research projects.
- Simulated and validated a **Diffusion Policy** reinforcement learning model using Robomimic and Robosuite, replicating Stanford study results.
- Developed object recognition on a "Rethink Robotics" Sawyer robot by applying a Diffusion Policy training model.
- Engineered **Python scripts** to collect and process Sawyer robot positional data and images into **HDF5**, subsequently converting ML model output to robot positional data.
- Integrated a Sony mocopi 3D body tracking system into the TeleMoMa teleoperation system via custom Python scripts for simplified data collection.

### Olezka Global

April 2023 - Present

Network Security Engineer

Austin, TX

- Worked closely alongside management to close one of Olezka's largest contracts (**over \$500k**) with the task of setting up and maintaining a hardware and cloud security system for a large warehouse.
- Configured **Verkada cloud servers**, mounted and set up security cameras, and set up a local cell tower for the client in order to communicate with security systems.
- Used **Microsoft Azure's** automated workflows and **Syncro** to secure and manage IT infrastructure through network segmentation and monitoring.
- Deployed an on-prem **ESXi server** with VMs supporting key operations such as digital signage, network monitoring, and security threat detection.

## PROJECTS

Toyota Financial Services Website - HackTX 2025 | TypeScript, Next.js, Vercel, Firebase, Flask

October 2025

- Engineered a full-stack vehicle financing platform using **Next.js 15 (TypeScript)**, **Tailwind CSS**, and **React Hook Form** to deliver a dynamic finance calculator and personalized payment estimates based on credit score.
- Developed a differentiated, real-time negotiation feature enabling dealerships to create custom financing packages and customers to submit counter-offers, streamlining the entire sales and application process.
- Implemented a secure role-based access control (**RBAC**) system using **Firebase Authentication** and **Firestore** to manage distinct user, dealer, and administrator roles and protect application routes and sensitive financial data.
- Designed and deployed the backend logic using **Flask** and leveraged Firebase Firestore with real-time listeners for instant status updates and live notifications on application history and offer changes. [toyota-financial.vercel.app/](https://toyota-financial.vercel.app/)

Full-Stack Marketing Website | TypeScript, Next.js, Python, Vercel, AWS, Spring Boot

July 2025

- Built responsive marketing website with a **TypeScript** based frontend using **Next.js** and hosted using **Vercel**.
- Developed a suite of **REST APIs** using **Spring Boot** to facilitate user contact and communication.
- Integrated the **Gmail API** to establish an automated system for relaying contact requests.
- Deployed Spring Boot backend to **AWS ECS** on **EC2** instances. [www.zskysolutions.xyz](https://www.zskysolutions.xyz)

AI News App | TypeScript, Next.js, Vercel, OpenRouter.AI

July 2025

- Created a **Next.js** AI-powered news summarizer app with category filtering and React hooks for seamless user interaction.
- Integrated NewsAPI and **OpenRouter's Cypher Alpha model** via secure serverless API routes, managing environment variables for safe key storage.
- Deployed on **Vercel**, demonstrating expertise in full-stack API orchestration, asynchronous data handling, and **cloud-based app delivery**. [ai-news-app-izqi.vercel.app](https://ai-news-app-izqi.vercel.app)