Eric Zazovsky

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Education

University of Texas at Austin — Austin, TX
Bachelor of Science in Computer Science, Bachelor of Science in Mathematics — *Expected May 2027*
Relevant Coursework: Data Structures, Computer Organization and Architecture, Operating Systems — ***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 and authorization mechanisms within the backend to safeguard sensitive patient data.
- 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 both frontend and backend applications, ensuring consistent deployment environments.

Olezka Global — April 2023 - Present
Network Security Engineer — *Austin, TX*
- Collaborated with 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.

University of Texas at Austin — January 2024 - January 2025
Diffusion Policy Training Research — *Austin, TX*
- 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.

Projects

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. Link to Website

AI News App | *TypeScript, Next.js, Vercel, OpenRouter.AI* — July 2025
- Developed a **Next.js** AI-powered news summarizer app with dynamic 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**. Link to App

Classroom-Aid App | *JavaScript, ReactJs* — September 2024
- Developed a classroom management webapp for high school to allow teachers to easily manage their student roster during class and increase engagement through group creation, random student selection, and a point system.
- Created a robust and responsive UI using **ReactJs** which led to the app being used by **15 teachers** to manage **over 1000** students.
- Self-hosted the web app through **GitHub** in order to allow remote access to multiple users and provide the ability to roll out updates consistently.