Kamran Eisenberg

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Education

Towson University — Towson, MD
Bachelor of Science in Computer Science GPA: 3.543 — *Aug. 2024 – Dec. 2026*

Montgomery College — Rockville, MD
Transferred to Towson University to complete B.S. in Computer Science — *Aug. 2020 – May 2024*

Experience

Office of Congressman Johnny Olszewski — Towson, MD
Congressional Intern — *May 2026 – August 2026*

- Supporting district office administrative operations.
- Assisting with constituent outreach.
- Conducting research on policy and constituent-related issues.

Towson University — Towson, MD
Undergraduate AI Researcher — *January 2026 – May 2026*

- Designed and evaluated a dynamic AI routing system balancing computational efficiency and predictive accuracy across multiple language models.
- Implemented and compared routing strategies using model confidence and input difficulty in sentiment-classification tasks.
- Analyzed efficiency-accuracy tradeoffs through benchmarking, performance metrics, and decision logging.

SolutionsInfra — Chevy Chase, MD
AI Infrastructure Intern — *May 2025 – August 2025*

- Provided IT support at FORT LP hedge fund offices, assisting with workstation troubleshooting and systems maintenance.
- Authored client-facing technical whitepapers analyzing multiple local LLM architectures, standardizing comparison of latency, throughput, and quantization performance.
- Compiled benchmark outputs into structured comparisons highlighting strengths, weaknesses, and recommended uses across four evaluation categories.
- Wrote a full OpenWebUI + Docker setup guide covering installation, container execution, model integration via Ollama, and Windows troubleshooting.
- Built an LLM-powered email-sorting workflow in n8n, replacing manual sorting with conditional routing and automated classification using Dockerized services.
- **Selected Work:** LLM Benchmarks | OpenWebUI Guide | Email AI Agent

Projects

CourtMap + TrialSim | *React, JavaScript, D3.js, CSS, GitHub Pages, Graph Visualization* | kamran.codes — 2026

- Built and deployed a legal technology web platform showcasing interactive tools for Supreme Court precedent mapping and educational legal scenario simulation.
- Created CourtMap, an interactive SCOTUS graph tool that models cases as connected legal objects through citations, doctrines, constitutional anchors, and overruling relationships.
- Implemented D3.js visualizations for precedent networks, doctrine paths, justice voting alignment, and case relationship exploration.
- Developed TrialSim, a client-side simulation system using weighted legal variables to model how evidentiary and constitutional factors affect case viability.
- Deployed the site through GitHub Pages with custom domain routing for kamran.codes.

DoroTracker | *JavaScript, Node.js, MySQL, HTML/CSS, Railway* — 2026

- Built and deployed a full-stack study planning app with authentication, assignment management, schedule generation, and Pomodoro session tracking.
- Implemented Node.js API routes for assignment CRUD, schedule generation/rescheduling, blocked commitments, and timer persistence.
- Designed a MySQL schema for users, sessions, assignments, schedule runs, schedule blocks, commitments, and study history.

Technical Skills

Languages: Python, JavaScript, Java, SQL, HTML/CSS
Frameworks / Technologies: React, Node.js, Flask, Docker, MySQL, PostgreSQL
Developer Tools: Git, Railway, Render, GitHub Pages, VS Code, OpenWebUI, Ollama, n8n
Libraries / APIs: D3.js, Chart.js, HuggingFace Inference API, TarsosDSP, ReportLab, bcrypt, Swing (Java)
Concepts: REST APIs, Authentication, CRUD Operations, Containerization, Graph Visualization, Interactive Data Visualization, Benchmarking, Digital Signal Processing, Audio Feature Extraction, Environment Variables