Laith Alzoubi

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in LinkedIn Profile
○ GitHub Profile

EDUCATION

Bachelor of Science in Computer Science   *2022-2027*

Dean's Honour List

Computer Science Specialist + Math Minor + Business Minor

EXPERIENCE

Software Engineer – Sub-Team Lead   *Jan. 2025 – Apr. 2025*

MyEdMaster   Remote
- Led development of all student-side features in a 7-person engineering team.
- Developed and shipped an LLM-powered math assessment system for schools.
- Built APIs for student authentication and interaction, ensuring seamless data flow.
- Managed sub-team tasks, conducted code reviews, and maintained delivery velocity.
- Acted as technical liaison with external partners, aligning product goals and feedback.

Teaching Assistant | CSC236: Theory of Computation   *Sept. 2024 – Dec. 2024*

University of Toronto   Mississauga, ON
- Evaluated student assignments and provided timely, detailed feedback.
- Supported over 500 students through Piazza by answering technical questions and clarifying abstract concepts.
- Facilitated online learning and managed course discussion platforms.

Software Developer   *June 2024 – Aug. 2024*

NTG Clarity   Markham, ON
- Led redesign of NTG's online ticketing platform, improving UX via low-code/no-code solutions.
- Integrated backend APIs to streamline data flow and enable system scalability.
- Worked cross-functionally with QA and business teams to meet project goals.
- Conducted iterative user testing to boost accessibility and interface clarity.

PROJECTS

RoadMapr – AI Career Planning Tool   *Feb. 2025*

Generates personalized career roadmaps from uploaded résumés using LLMs.
Technologies: *Python, Cohere API, Supabase, React, Tailwind CSS*
- OAuth login with LinkedIn pulls user details for easy onboarding.
- Parses resumes with Cohere and returns timeline roadmaps showing milestones and gaps.
- Refined prompts until the LLM produced clean JSON for the frontend.

Scriptorium – Blog & Code Platform   *Dec. 2024*

Full-stack site for collaborative blogging and executable code snippets.
Technologies: *Next.js, TypeScript, Prisma, Docker, PostgreSQL*
- Dockerised microservice executes 10+ languages (C, Java, Python, Rust,...).
- Users create Markdown blogs, comment, and report posts; moderators review flagged content.
- Role-based access with Prisma handling users, blogs, code templates, and reports.

Machine Learning Research – Predicting Student Performance   *Nov. 2024*

ML models built on Khan Academy data to forecast student outcomes.
Technologies: *Python, scikit-learn, PyTorch, NumPy, Pandas*
- Developed KNN, IRT, and neural network models; reached 70.3% test accuracy.
- Applied PCA that cut memory use by 26% and runtime by 79%.
- Combined models with bagging for greater robustness.

Hermes – AI Translation & Transcription Platform   *Sept. 2024*

Live transcription, AI summaries, and multilingual speech support.
Technologies: *React, Vite, Convex, Cohere, Firebase, Google Cloud APIs*
- Built real-time transcription and translation to replace human interpreters.
- Used Cohere for summarisation and Convex for live state.
- Integrated Google Speech APIs for speech-to-text and text-to-speech.

EstiMap – AI Housing Price Predictor   *Feb. 2024*

Predictive platform for real-estate market analysis.
Technologies: *React Native, Express.js, MongoDB, scikit-learn*
- Trained scikit-learn regression model on real market data.
- Built Express.js and MongoDB backend with secure authentication.
- Provided a React Native client for mobile access.