Evan Li

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EDUCATION

McMaster University   September 2021 - April 2026
Bachelor of Applied Science (BASc), Computer Science, Co-op, CGPA 3.8   *Hamilton, Canada*

WORK EXPERIENCE

Software Engineer Intern   January 2024 - Present
Ontario Power Generation   *Bowmanville, Canada*

- Developed a full-stack web application using Angular and ASP.NET, revolutionized the nuclear operations team's dashboard by integrating Microsoft Graph for personalized data views based on user authentication.
- Visualized crew performance metrics, KPIs, and employee vacation details with Chart.js.
- Reduced data retrieval times **from 10 minutes to instant**, significantly improved operational efficiency, and achieved cost savings of **over $1M**.
- Implemented CI/CD pipelines using Azure DevOps, automated the build and deployment processes to production environments, saving **3+ SWE hours per week**.
- Automated the emergency equipment check process with a Python-based solution that utilized Pandas and Openpyxl for data comparison and Tkinter for UI, reducing data processing time from **2 hours to 5 minutes**.

Software Engineer Intern   July 2023 - August 2023
AXSource   *Oakville, Canada*

- Designed and implemented a multi-platform chatbot with MS Power Virtual Agent and Teams, etc to replace users' manual work with the ERP software D365 by chatbot interactions.
- Implemented the business logic automation with MS Power Automate to complete invoice transfer, customer creation, and purchase order entry in D365, enhancing the users' work efficiency by **30%**.
- Developed a mobile app with Power Apps and Azure's Computer Vision APIs to identify products from users' photos, retrieve product information and enter data into D365, minimizing manual work with inventory updates.

PROJECTS

EL's online shop | *Angular, SpringBoot, Tailwind, MySQL, Auth0, Stripe*

- Developed a full-stack e-commerce website with Spring Boot, REST APIs, and Angular frontend.
- Enhanced UI/UX with Bootstrap, Tailwind, PrimeNG, and Angular Material.
- Implemented Okta's Auth0 for secure user authentication and registration with a seamless user experience.
- Incorporated Stripe for efficient payment processing and a MySQL database for robust data management.

LLM-based Intelligent Tutor | *Cohere AI, LangChain, Chroma, AWS, Python, React*

- Architected an LLM-based AI tutor web application for users to upload course materials (text, image, video), ask any questions on the course content, and get customized mock exams.
- Integrated AWS S3 buckets for user-uploaded content storage and significantly improved the information retrieval time by adopting the Chroma vector database.
- Utilized Cohere AI models to generate answers and built the LLM application with the LangChain framework.
- Designed and created a user interface with React, Next.js, Clerk, and Tailwind.

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, TypeScript, Java, Python, C#, SQL
Frameworks: Angular, React, Spring Boot, ASP.NET, Power Apps, Power Automate, Power BI
Developer Tools: Git, Azure Cloud, MSSQL, Maven/Gradle
Libraries: Tailwind, PrimeNG, Material UI, Chart.js, Pandas, Openpyxl, Tkinter, Microsoft Graph
Certificates: Microsoft Certified Azure AI Engineer Associate (link), Dynamics 365 Fundamentals (ERP) (link)