

Amin Mojtahe

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Experience

Information Systems Developer *Sep 2024 – Present*

Centre for Education in Math and Computing | Co-op *Waterloo, ON*

- Enhanced the content management system of hosted contests with the PHP and MySQL stack in integration with Drupal.
- Researched and developed major content conversion methods such as LaTeX to HTML markdown formats to increase reusability and accessibility of the educational materials in CEMC.
- Contributed to the continuous development process after a recent migration and upgrade of infrastructures.

CMS Content Migration Specialist *Sep 2023 – Dec 2023*

University of Waterloo - IST | Co-op *Waterloo, ON (Hybrid)*

- Collaborated with a team of six to migrate around 80 university websites to a newer CMS structure (WCMS 3.0, based on Drupal), pushing forward the website migration project in the university.
- Remediated site content when migration issues emerged based on available Drupal features and accessibility principles and updated internal remediation resources.

Automation & Integration Specialist *Jan 2023 – Apr 2023*

Lifestyle Home Products | Co-op *Peterborough, ON (Remote)*

- Implemented integrations into Salesforce, used by the company's marketing team, to reduce the redundant manual work time such as sending emails automatically in the customer journey.
- Integrated Xero accounting software and Five9 call cycle system with Salesforce, saving finance and call centre team hours per week from doing repetitive actions for their tasks.

Business Intelligence Intern *Jul 2021 – Aug 2021*

SQL Server Database Intern *Jul 2018 – Sep 2018*

Gozine 2 Institution of Education | Internship *Tehran, Iran*

- Collected data from the wide-ranging database of Gozine 2 (>10000 high school students) and interpreted BI charts exported from the source MySQL database for analysis.
- Conducted research on possible data relation schemes among students, gathered information from an accessible wide-ranging database of Gozine 2, and presented results to the supervisor.

Education

Bachelor of Computer Science | Co-op *Sep 2021 – Apr 2026*

University of Waterloo *Waterloo, ON*

- Math Global Scholarship | President's Scholarship of Distinction
- Minor:** Psychology | **Specializations:** Computational Fine Art, Human-Computer Interaction
- Key Courses:** Human-Computer Interaction, User Interfaces, Introduction to AI, Numerical Computation, Operating Systems

Skills

DEV: TypeScript, JavaScript, Node.js, Next.js, HTML/CSS, React, Preact.js, Tailwind, PHP, C/C++, Java, Bash, Multithreading, AMP Server, CI/CD

DATA: Python, MySQL, R, REST API, PowerBI, VBA, Drupal (CMS), Machine Learning, Automation, Salesforce CRM

TOOLS: VS Code, Docker, Figma, Git, LaTeX, DDEV, Jupiter, Photoshop

Projects

ChronoCraft – chronocraft.wiki

React.js, Next.js, Tailwind, OpenAI API

- HawkHacks24 educational project implementing Timeline.js and AI
- Generates an interactive editable timeline of events on the user's input

PlanetProfit

Python, Streamlit, OpenAI API

- GOODHack24 environmental solution winning project (1st + 500\$)

Interactive Canvas Projects

TypeScript, HTML/CSS, Preact.js

- Three progressive implementations of a shape editor (Canvas API, DOM Manip., Reactive framework), adding undo/state management capabilities

Watopoly Game

C++, Polymorphism, XWindow

- UW-themed version of Monopoly
- CMD line interaction and modularized, e.g. XWindow GUI

Certificates

PHP with MySQL Essential Training

LinkedIn Learning *Online*

TCPS 2: CORE (Research Ethics)

National Research Council Canada

World Robotics Olympiad (WRO):

1st Rank in National Level *Sep 2017*

WRO Foundation *Tehran, Iran*

- Qualified for: Global WRO 2017