Amin Mojtahed

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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 interpretated 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 - Present
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, Intro 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