

Aaron Dam

Software Developer

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 Hamilton, ON, CA

Profile

An aspiring engineer with background in approaching STEM subjects creatively. Demonstrated ability to lead collaborative projects, foster relationships with peers, and build polished products under time constraints.

Skills

Programming Languages & Frameworks:

C/C++, C#, Python, Java, HTML/TailwindCSS, JavaScript, Dart.

Software & Tools:

Flutter, AWS (S3, Lambda), Firebase, REST API, Godot.

Leadership

HammerHacks

Organizer & Lead Developer

08/2025 – Present

Led development of the official 2026 website for Hamilton's largest high school hackathon, coordinating with fellow organizers while integrating user feedback.

Westmount Robotics Club

President & Team Leader

11/2024 – present

Founded high-school robotics club and led a team of students in FTC robotics, managing club operations while tutoring members in Java-based control systems.

McMaster University

Leader in Training

06/2025 – 07/2025

Guided elementary students through hands-on workshops in computer-aided design, soldering, and circuit building.

Projects

Cafe Cafe - 2D Cooking Game

01/2025 – 04/2025

- Led development of core systems (player movement, object interaction, and order fulfillment) in a fast-paced kitchen simulator using Godot.
- Collaborated as a team via GitHub and Slack, establishing agile methodology and mentoring branching and version control to teammates.
- Presented live in Shanghai, China to tech employees, researchers, and mentors, receiving praise for technical polish and design originality while networking and building connections with peers internationally.

PowerFlare - Solar Forecast App

03/2025

- Engineered API endpoints to deliver high-precision solar irradiance forecasts, leveraging external meteorological datasets for 48-hour predictive windows.
- Built a database management system for user authentication and data persistence using Firebase.
- Presented live to panel of judges at CNLC 2025, achieved the award "National Runner-Up" over 30+ teams