

Andrew Dutka

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EDUCATION

Dalhousie University

Bachelor of Computer Science

Expected May 2028

GPA: 3.9/4.3

- Relevant Coursework: Data Structures & Algorithms, Web Design and Development, Software Development, Systems Programming, Calculus in Computer Science, Discrete Math, Linear Algebra, Probability and Statistics.

PROJECTS

Minecraft Alt Automation System | *JavaScript, Mineflayer API, Node.js, Express* Aug. 2025 – Present

- Created a full-stack **JavaScript** application using **Express** and **Node.js** to serve a **REST API** to a **Discord.js** front-end for server account instance automation.
- Used the **Mineflayer API** for scripting commands, events, and regex matching, eliminating all manual actions.
- Employed **SOCKS5** ISP proxies to rotate connections, bypassing server restrictions to support 100+ account instances.
- Deployed to a VPS with automatic reconnection logic, achieving 99.5% uptime over 30 days.

Syllabuddy | *TypeScript, React, Python, DeepSeek/OpenAI API, Next.js, Flask* Jun. 2025 – Present

- Spearheaded the development of a **full-stack** web application using **DeepSeek** to parse syllabi and gather important details into a polished UI.
- Used **Flask** to create REST endpoints, additionally making requests using the **OpenAI API** to **DeepSeek V3.2** for user-catered JSON responses.
- **Collaborated** with another developer using **GitHub** to merge front-end and back-end knowledge, speeding up planning and development.

Personal Website | *TypeScript, React, Next.js, TailwindCSS, Python, Flask, Render* Jun. 2025 – Sep. 2025

- Developed a website featuring custom personal API widgets and a programming portfolio.
- Integrated a **React** and **TailwindCSS** architected front-end with a **Flask** back-end deployed to **Render** to cache API data and enforce auth/rate limits.

Desktop Timer App | *TypeScript, Electron, Node.js, HTML, CSS* May 2025 – Jun. 2025

- Built a cross-platform desktop timer app leveraging **Electron** and Node.js back-end APIs to create looping timers, system tray minimization, and a compact miniplayer for live countdown tracking.
- Structured the codebase with **TypeScript** modules and packaged the app using Electron Forge, ensuring clean builds and maintainable desktop deployment.

EXPERIENCE

Museum Assistant

Aug. 2023 – Apr. 2025

Halifax, NS

Museum of Natural History

- Undertook **training** by **learning** about various exhibits and museum attractions.
- Hosted hands-on tables and guided visitors by **communicating effectively** through giving **presentations** and group talks.
- **Collaborated** with a senior coordinator to **deliver the best experience** for visitors.
- Undertook additional **responsibilities** to cover for colleagues during busy hours.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, HTML/CSS

Frameworks: Next.js, Node.js, TailwindCSS, Flask, Express, JUnit

Developer Tools: Git, Docker, Neovim, VS Code, IntelliJ, Eclipse

Libraries: React, Pandas, NumPy, Matplotlib

AWARDS & SCHOLARSHIPS

Computer Science Entrance Award: Given after demonstrating passion for CS through community impact

General Entrance Award: Demonstrated strong academics, leadership, and extracurricular involvement