

# Jake Waldner

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## EDUCATION

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**Bachelor of Computer Science (Co-op)**, Dalhousie University September 2023 – Present

- Relevant Courses: Data Structures & Algorithms, Server Side Scripting, Database Systems, Software Development
- 4.0 GPA**

## SKILLS

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**Summary** – Bootstrap, C, C++, CSS, Express.js, Git, GitHub, GitLab, HTML, Java, JavaScript, JSON, Linux, Maven, MySQL, Node.js, PHP, Python, Rest APIs, SAP UI5, Typescript, Virtualization, Vue.js

**Certifications** – [Python 3 Programming Specialization \(University of Michigan\)](#)

## EXPERIENCE

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**Independent Consultant in Program Design**, Scratchpad September 2022 – August 2023  
Halifax, NS

- Developed on a financial planner aggregation tool using VueJS, Python, and the Plaid API.
- Developed and documented an in-house data visualization library in Python.
- Collaborated closely with senior developers.

**Independent Consultant in Program Design**, 3787774 NS LTD January 2022 – August 2023  
Middleton, NS

- Developed a band program sign-up page for a local high school.
- Gained experience with front-end web design using SAP UI5.

## PROJECTS

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**[Connections Lab](#)** – Express.js, MySQL, Javascript, HTML/CSS 2025

- A full-stack web application inspired by the New York Times game Connections that allows players to create and share their own custom puzzles.
- Players can share games through streamlined .csv files, or through 8 character codes.

**[Bubble Bash](#)** – Unity, C# 2025

- A competitive local multiplayer fighting game for PC/Mac developed for the Global Game Jam.
- Collaborated closely with teammates on game concept and design to complete project in 48 hours.

**[SimpleEQ](#)** – C++, JUCE Framework 2025

- An equalizer audio plugin (VST, AU) in C++ using the JUCE Framework.
- Shapes the frequency content of audio, with several different sliders for customization.

**Daily-Driving Linux** – PopOS!, Fedora Linux 2021 (Ongoing)

- Installed and used several Linux Distributions as the primary operating system on a personal workstation as a hobbyist endeavour in open-source software.
- Worked with many open-source applications and tools including Flatpak, WINE, and RPM.
- Resolved complex technical and compatibility issues and performed troubleshooting on Linux systems.