



# Daniel Thorp

✉ arcanistzed@gmail.com ☎ +1 (613) 809-9840 📍 Ottawa, Ontario, Canada  
🌐 arcanist.me 🔄 arcanistzed 📄 arcanistzed

# Software Developer

## Education

University of Ottawa.

September 2022 – April 2026

BASc Software Engineering (CO-OP)

- Member of the Rocketry club, developing the website (**SvelteKit**).

## Employment

Software Developer

June 2022 – Present

The Forge VTT Inc.

- SaaS with a **NodeJS** backend and **Vue** frontend.
- Hired due to experience with open source Foundry VTT module development.
- Collaborated with coworkers and business partners on **design discussions** to satisfy complex requirements.
- Implemented algorithms and **Regex** pattern matching to enhance data processing by 30%.
- Assisted **250+ users** with technical **customer support**.
- Executed tasks effectively with flexible hours working remote in a small **startup** environment.

Open Source Software Developer

April 2021 – Present

Freelance Foundry VTT module development

- Developing over **a dozen open source** modules for **thousands of users** with more than **22 thousand** downloads.
- Highly renown member of the community with over **160 issues and PRs** to over **30 related open source** projects.
- Expert knowledge of the Foundry Virtual Tabletop API and the **thousands** of packages available on the platform.

## Projects

Code Comp

September 2022 – Present

JavaScript, TypeScript, HTML, CSS, Express, MongoDB, Three.js, JWT

- Managing and instructing a team of freshman software engineering students.
- Implementing **animated 3D graphics** hero section.
- Developing account registration, login authentication, and profile editing **infrastructure**.

Module Compatibility Checker

May 2022 – Present

JavaScript, Svelte, Cloudflare Workers, HTML, CSS/Sass, Vite, Foundry VTT

- Cached requests with a Cloudflare worker receiving over **2k requests daily**. Used **Svelte** for fully reactive searching, filtering, and sorting for a gorgeous data display.
- Won first place for **Best Package** (most votes in 5 categories) in League of Foundry VTT Developer's Package Jam.

## Awards

- Certificate of Distinction in Technology (100% in pre-university programming class).
- Certificate of Bilingualism (English/French).
- Admission scholarship (95% average).
- Google Ads Certification.

June 2022

June 2022

November 2021

August 2019

## Technical Skills

- **Languages:** JavaScript, Typescript, Python, C#, HTML, CSS (Sass), Google Apps Script
- **Frameworks:** Svelte, Vue, React (Next.js), Node.js, Express
- **Developer Tools:** Git, Docker, Google Cloud Platform, VS Code, Visual Studio, Oracle Cloud Infrastructure, GitHub Actions, Shell scripts, Cloudflare, Rollup, Vite, ESLint, commitlint
- **Operating systems:** Ubuntu, Mint, Fedora, Windows, Android, ChromeOS
- **Databases:** MongoDB, NeDB
- **Libraries:** Three.js, PIXI.js, Socket.IO