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Highlights of Qualifications

- Second year undergraduate at the University of Toronto completing CS and Physics majors
- Programming language skills: HTML (advanced), CSS (intermediate), JavaScript (advanced), C# (intermediate), Java (intermediate), C (advanced), Python (intermediate)
- Application skills: Word (everything but mail-merges), Excel (intermediate), and LibreOffice equivalents; Git (intermediate+), Linux command-line (advanced)
- Strong collaboration and interpersonal skills, as shown in course projects and weekly labs

Education

University of Toronto, class of 2027; Computer Science and Physics majors.

Achieved Dean's List Scholar for Winter 2023; enrolled in Arts & Science Internship program (**co-op**)

Key courses include: *Introduction to Computer Science* (96%), *Software Design* (92%).

Currently taking: *Software Tools & Systems Progr.*, *Computer Organization*, *Electricity & Magnetism*.

Work Experience

- Performing data-entry and website maintenance for a small business 2021—present
 - Created and continued to maintain online form using **PHP** to let customers submit requests for repair without needing to call; **MySQL** for analytics.
 - Began development of a back-office database with **jQuery** Mobile, PHP, and MySQL.

Group Projects

- **Brainsweep**: group project in *Software Design* (github.com/nnzahin/brainsweep) 2023
 - Developed a Getting Things Done app using **Java**, **Swing**, and **OkHttp** using Google Tasks' API directly, demonstrating the **Clean Architecture**.
 - Tested the software using **JUnit**, wrote details view, wrote search use-case, provided code review, helped coördinate tasks, and supplied finishing touches to be ready for the demo.

Personal Projects

- **Sigmund**: distraction blocker add-on (codeberg.org/duncanm/sigmund) 2022–2023
 - Built a **WebExtensions**-based browser add-on with **JavaScript** which blocks distractions to prevent procrastination, helping improve my own productivity in the last few months.
 - Tested using the tape testing framework to gain experience testing a project which is hooked into WebExtensions and reduce bugs.
- **PicturePDF**: image-to-PDF conversion tool (github.com/thatlittlegit/picturepdf) 2020, 2024
 - Built a tool with **C#** and **WinForms** to convert images into **PDFs** using **PDFsharp**, to help discourage using online conversion services with dubious privacy protections.
- Contributions to open-source software like Wayland and Dia.
 - Fixed a crash in libwayland (merge request !185) and many bugs, such as broken buttons and crashes, in the Dia diagram editor (merge requests !92, !95, !97), using **C** and **GTK**.