

# Allen Pader

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## Profile

A collaborative Software Engineering Technology student, with strong knowledge of programming languages and experience in debugging, editing and QA. Holds strengths in leadership and communication abilities with the aptitude for learning new skills and technologies.

## Summary of Skills

- Currently enrolled in Software Engineering Technology (Co-op) Advanced Diploma
- A strong technical acumen, with a broad skillset that includes software and hardware, from coding and interface design, to wiring to PCB, making wiring bundles, or working with breadboards
- Keen critical thinking and problem-solving skills use for troubleshooting issues to resolution
- Robust professional written and verbal communication skills including technical documentation

## Practical Expertise

<b>Programming:</b>	C, C++, C#, Java, JavaFX, Python, Smalltalk, Rust, Assembly, Elixir
<b>Web Development:</b>	CSS, HTML, JavaScript
<b>Databases:</b>	Oracle SQL Developer, MongoDB, Java Database Connectivity, LiveSQL
<b>Hardware:</b>	Wire soldering, Wire stripping, Wire spicing, Arduino
<b>Applications:</b>	GitHub, Jira, Spyder, Visio, Visual Studio Code, MS Office, MS Teams, Zoom
<b>Operating Systems:</b>	MS Windows, Unix, Linux

## Relevant Work Experience

**Unix eBook Editor** | Toronto Metropolitan University, Toronto, ON Jan 2022 - April 2022

- Liaised with professors about concepts and how beginner coders may perceive them
- Ensuring grammar and terminologies of the eBook were consistent throughout the materials
- Certifying the concepts correctly matched that of the code provided
- Reviewed the syntax of the code, to ensure it was free of errors
- Ensured that the code exemplar produced the accurate results
- Provided suggestions and created modification to enhance reader experience and learning

## Select Academic Projects

### Web Design - HTML, CSS, JavaScript, C#

- Designed a responsive, user-oriented marketing website for a realtor to showcase properties
- Features included a scrolling photo gallery, a contact form, multiple tabs
- Reactive Canvas Game with user score and reset score button

### Library Database - Oracle, SQL

- Created a database with 7 tables to simulate a library. Tables Include primary and foreign keys
- Executed date base concepts to insert data on to tables creating over 40 records
- Performed CRUD operations, Triggers, Sequences, Indexes, Joins, and Packages

### Student Registration Form - Java, JavaFX

- Formed a Student Course Registration System with user inputs, checkboxes, and radio buttons
- Accomplished over 10 JavaFX operations such as UI Controls and Event Handlings
- Display user credentials with selected program and courses

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## Education

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**Software Engineering Technology (Co-op) Advanced Diploma** Jan 2023 - Present  
Centennial College, Scarborough, ON

**Select Courses:**

Advanced Database Concepts (SQL) | Web Interface Design | Client-Side Web Development |  
Software Requirements Engineering | Software Systems Design | Java Programming | Testing & QA

**Bachelor of Science (B.S.) - Computer Science (2 years completed)** Jan 2018 - Apr 2022  
*Toronto Metropolitan University, Toronto, ON*

**Key Projects:**

- Completed multiple projects focused on Python and Java
- Using Pandas/JSON file to search a database with Python
- Coded a 10 second counter using Assembly and displaying the counter with Arduino breadboard, wiring and display screen
- Produced a code that would read input of a joystick, displaying movement with mouse cursor
- Developed a basic calculator using C/C++ programming

## Other Work Experience

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**Tax Assistant** | BGP Income Tax Services, Toronto, ON Jan. 2020 - Present  
**Nightshift Merchandizer** | RONA, Toronto, ON Aug. 2022 - Dec.2022

## Extra-Curricular Activities

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- Trained extensively for **Tae Kwon Do** and **Boxing**