

# Andrew Peter

SOFTWARE DEVELOPER

Toronto, Canada

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Computer Science graduate with hands-on co-op experience in software development and project management within the financial sector. Proficient in a wide range of programming languages and platforms, with a strong foundation in C#, Java, SQL, and Python. Experience in optimizing code for efficiency and debugging, contributing to multiple large-scale technology projects across the software development lifecycle. Adept at leveraging tools like Jira, Git, Visual Studio, and Docker to streamline development processes and enhance project outcomes. Interest in Cloud Computing and AI. Adaptable, collaborative, and committed to delivering high-quality solutions.

## Skills/Languages/Platforms

- C, C#, Java, SQL, HTML, JavaScript, Python, React, Bash, Flask, JSON
- Jira, Git, Unity, Bitbucket, Confluence, Docker, BigQuery, Jupyter Lab, SQL Server, PostgreSQL
- AI Prompt Engineering, Database Design, User Interface Design, Data Structures, Cloud Computing

## Work Experience

**Software Developer, Bank of Montreal, Toronto** - January 2022 — September 2022 (Co-op)

- Optimized C# code to significantly reduce debug time Middleware code by several hours, using Visual Studio
- Extract data from company databases using SQL
- Contributed to the software development process using various tools including Jira, Git, Visual Studio, Bitbucket, DBeaver, Confluence

**IT Project Control Coordinator, Canadian Imperial Bank of Commerce, Toronto** - May 2021 — August 2021 (Co-op)

- Supported senior project managers on multiple large-scale technology projects by managing project issues, action items, meeting minutes, and project repositories
- Created and updated project deliverables using SharePoint, Excel, PowerPoint, Jira

**Instructional and Technical Support Assistant, University of Guelph, Guelph** - June 2020 — December 2020 (Co-op)

- Collaborated with professors to transition their courses to an online format, using various software and programming languages and tools (edited videos, created quizzes, uploaded documents, developed interactive slides and graphs)
- Provided technical support and training to professors, troubleshooting any problems that arose from course redesign, working remotely and independently
- Received the Course Redesign and Remote Pedagogy award

## Education and Certifications

**Bachelor of Computing, Honours, University of Guelph (With Distinction)** - September 2018 — June 2023

**DeepLearning.AI Chat GPT Prompt Engineering for Developers** - February 2024

**Microsoft Azure AI Fundamentals** - November 2023

**AWS Cloud Practitioner; AWS Knowledge: Cloud Essentials** - August 2023

## Projects

- **AIJobNavigator.com** – Developed an application leveraging AI to streamline the process around applying to and interviewing for jobs. Used OpenAI APIs and Python for natural language processing and generation. Employed technologies such as Flask for the backend, PostgreSQL for the database, and React for the frontend.
  - Features include:
    - Tracking: Allows users to track and update the status of jobs they have applied to
    - Cover Letter Creation: Generates personalized cover letters based on job postings and user resumes
    - Interview Preparation: Provides expected interview questions and suggests answers tailored to the job posting and user resume
    - Post-Interview Emails: Generates thank you emails based on interview discussions
- **Ra1nb0w** - Developed a 3D physics-based platformer with multiple levels using the Unity game engine, written in C#. See <https://play.unity.com/mg/other/webgl-builds-330917>
- **Parallel Conway's Game of Life** - Created two versions of the game: one using Data Parallelism and one using Task Parallelism to generate a 2D grid, both implemented in C with Pthreads.
- **Web-based Image Editor GUI** - Designed and developed an interface for uploading and editing images, utilizing C for the backend and JavaScript/HTML for the frontend.
- **Retail Discord Bot** - Built a Discord bot using Python to parse JSON data from a clothing brand's website, alerting users to changes in stock