

# Daniel Dzurevych

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## SUMMARY OF QUALIFICATIONS

**Programming Languages:** Python, C++, SQL, HTML, CSS, VHDL, RISC-V, C#

**Technologies/Tools:** Gitlab, Linux, Fast API, .NET, Jupyter Notebooks, Docker, Vertex AI API, Matplotlib, Power BI, MS Office, Excel, Google Cloud (GCP), Big Query, Pandas, Scikit Learn, Deepeval

## EDUCATION

**University of Waterloo**

2023-2028

*Computer Engineering - Bachelors of Applied Sciences*

*Waterloo, ON*

Coursework: Data Structures & Algorithms, Object Oriented Programming (C++), Digital Circuits/Systems

## RELEVANT PROFESSIONAL EXPERIENCE

**Software Developer**

September 2024 - December 2024

**QUESTRADE ENTERPRISE**

*Toronto, ON*

- Reduced HR workload by creating an automated pipeline for data cleaning of **600+** person sample (**JavaScript**)
- Developed **microservices** and performed automated testing for an **AI-driven financial product** in collaboration with cross-functional teams, ensuring reliable deployments and created an **LLM-OPS/prompt evaluation** program to ensure accuracy and reliability (**Python, Scikit-learn, Pandas, Deepeval, Vertex AI, LangGraph**)
- Assisted in the enhancement of internal chatbot performance by implementing improved vector search methods (**Python, C++**), leading to more accurate responses for employees
- Built, debugged and **automated testing** for **AI guardrails** with **agile** and **CI/CD** methodologies ensuring **compliance** and prevent liability by detecting and blocking unauthorized financial advice in customer-facing tool
- Improved call transcription accuracy by **15%** for the Customer Experience team by helping automate a transcript parser and analyzing trends using **BigQuery**, enhancing insights while maintaining **security of sensitive data**
- Modeled company-wide statistics (**Jupyter Notebooks**) & delivered data-driven reports to executives

**Project Coordinator**

January 2024 - April 2024

**CHANDOS**

*Various locations across GTA*

- Led on-site safety inspections, coordinated subcontractor meetings, oversaw **project communications** and assisted a **\$300,000** legal claim by compiling key evidence, contributing to a more structured legal case
- Honed my **problem solving skills** by planning and implementing solutions to unique interpersonal and random variable challenges resulting in greater efficiency
- Prepared and tendered contracts/documents and SOW's, prepared estimates, created closeouts (**2000+ page document**) under **tight deadlines** and created **company wide software tutorials**, improving internal training and onboarding efficiency

**Coding Teacher/Developer**

January 2023 - June 2023

**TCDSB** (Toronto Catholic District School Board)

*Virtual across Toronto*

- Founded** initiative that teaches grade school and high school students basic programming using simple projects and **educational games** I created (**HTML, CSS, Python, and Pygame**)
- Proactively promoted my initiative across TCDSB, leading to 9 successful workshops with **150+** attendees

## PROJECTS AND AWARDS

- Won **\$10,000 hackathon**: using **Python and Java Script** my team and I built a chrome extension connected to **Vertex AI** that would automatically create company templated **dynamic tutorials** for internal/external use from screenshots of FIGMA designs that are personalized in detail and vocabulary based of account information
- Created a **C++ data analysis tool** that parses a csv's rows, builds a graph, and uses hashing for O(1) lookup and offers various tools to summarize data (successfully tested for up to **2 million data points**)
- Created a text to morse code device connected to an LED using a **microprocessor** with **RISC V**
- UW President's scholarship for academic Excellence - **\$2,000** and various other scholarships for academic excellence, sports and community involvement valued at an additional **\$4,700**
- UW Formula Electric **Design Team** (full size electric race car): active member of drivetrain design division
- Designed, constructed and programmed a pH irregularity sensing device using STM32 **microcontroller** in **C**
- Created a QR code connected to a form submission website that automatically populated a spreadsheet to **optimize** application process at career fairs for previous employer (Chandos)

**Other:** Power Lifting, Piano ,Fluent in Ukrainian, Skiing, Passionate about Building, Strong Interest in AI Agents