Fangda Dai

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Summary of Qualifications

Transferable Skills
- Excellent interpersonal communication skill, fluent in English and Mandarin
- Excellent teamwork skill developed from part-time jobs, school projects and sports teams

Technical Skills
- Languages: **C, C++, Python, SQL**, HTML5, CSS, JavaScript, R, Bash
- Other Tools: Git, MySQL, Azure, Visual Studio, Microsoft Office, Kivy, Photoshop
- Certificates: Azure AI Fundamentals, Azure Fundamentals
- Operating Systems: MacOS, Windows, Linux

Education

University of Waterloo   **Sept 2022 — Present**
- Candidate for Honours Bachelor of Computer Science
- Recipient of President's Scholarship and International Entrance Scholarship (**$7,000**)
- Euclid Contest and Canadian Senior Mathematics Contest Top **20%** Distinction

Relevant Coursework
- Tools and Techniques for Software Development (Git, IDE, Bash Script, etc…)
- Algorithm Design and Data Abstraction
- Object-Oriented Software Development and Design Patterns

Project

Digital Aviation App   **May 2023 — Sept 2023**
- Developed an interface for a mobile app for a start-up Chinese company, which provided a trading platform for aviation commodities
- Employed **Kivy** and **KivyMD** frameworks in Python for the GUI development
- Implemented user sign-up and log-in functionalities using MySQL database

Waterloo Experience Accelerate Program   **May 2023 – Aug 2023**
- Led a project-based program which our team (**5** people) conceptualizes and delivers an **AI-solution prototype**, enhancing the reliability of existing healthcare chatbots
- Created a pipeline (including training, testing, and implementing the model) consisting of different **Azure services**
- Facilitated a **15-minute** presentation of our solution to a Microsoft mentor and received "outstanding" feedback

RAIInet   **Nov 2023**
- Led a team of **3** to develop a game called "RAIInet" (similar to Stratego) using C++ within a span of **2 weeks**
- Developed a text-based and a graphical interface (using X11 library) for user interaction
- Employed design patterns such as observer pattern and decorator pattern
- Presented a **30-minute** demo to teaching assistants and received **perfect score**

Extracurricular Experience

Boys and Girls Club Staff Assistant (Moncton)   **Jun 2021 – Sept 2021**
- Supervised a diverse group of **25** youths and teenagers, **aged 6 to 15**
- Led and organized recreational activities for children using leadership skill
- Collaborated with colleagues to facilitate weekly educational workshops utilizing computers