

# Fangda Dai

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## Summary of Qualifications

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### 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, React.js, TypeScript, 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

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### University of Waterloo | Bachelor of Honours Computer Science **Sept 2022 — Present**

- Recipient of President's Scholarship and International Entrance Scholarship (\$7,000)
- Euclid Contest and Canadian Senior Mathematics Contest Top **20%** Distinction

### Relevant Coursework

- Algorithm Design, Design Patterns, and Object-Oriented Software Development

## Projects

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### 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 team of **5** people in conceptualizing and delivering an **AI-solution prototype**, aiming to enhance the reliability of existing healthcare chatbots
- Created a pipeline with **Azure services** for model training, testing, and implementation
- 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" 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**

### Portfolio Website (fangdadai.github.io/portfolio)

**Dec 2023**

- Designed a responsive portfolio website using HTML5, CSS, JavaScript, and React.js
- Utilized React.js for dynamic content rendering, incorporating features such as project galleries and a blog
- Developed reusable components for future updates

## Extracurricular Experience

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### 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 computer