Fengyang Wang
2A Mathematics at University of Waterloo — Student ID 20607242
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SUMMARY OF QUALIFICATIONS

- Frontend (HTML, JS, CSS) and backend (Node.js, SQL) web developer
- Open-source contributor skilled in Python, C, and C++
- Experienced version control user (Git and Mercurial)
- Algorithm and data structure knowledge; high school Olympiad participant
- 2+ years experience as a mathematics instructor

EDUCATION & DISTINCTIONS

Candidate for Bachelor of Mathematics at University of Waterloo — Expected April 2020

Term Dean's Honours List (with 96.6% average) — Fall 2015
Réné Descartes National Scholarship ($25000 value), awarded by University of Waterloo — 2015
Qualified for Canadian Mathematical Olympiad — 2014 and 2015
Silver Medal, Canadian Computing Olympiad — 2014

EXPERIENCE

Hack the North (Organizing Team) — August–September 2015
Programming Challenge Architect

- Co-developed two security-related challenges using Node.js and C
- Designed a Project Euler-inspired numerical algorithm challenge
- Attracted over 50 participants

Grand River Chinese School — 2012–present
Math Teacher

- Designed and taught a mathematics curriculum for advanced-level students
- Gradually increased class size from 9 to 21

High School Computer Science Club — 2014–2015
Student Leader

- Taught Mercurial to high school students
- Delivered lessons on data structures and algorithms, such as Bellman-Ford
- Created contest problem solutions in JavaScript, Python, and C++

SELECTED PROJECTS

Currencies.jl — Fall 2015

- Designed a currency format and computation library with tests and documentation
- Included in METADATA.jl, the official Julia language package repository

Findr — Summer 2015

- Created the React frontend for an event finder web app
- Co-designed the Node.js backend with a PostgreSQL database and a REST-ful API

Territory — Spring 2015

- Modernized an unmaintained open-source Python strategy game
- Refactored code and added features without net increase in lines of code