

ZEFANG ZHU

3A Computer Science, UWaterloo, personal web:<https://amyamyzhu.github.io/>

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Objective

An internship position in the field of Computer Science.

Summary of Quantification

- Proficiency in C/C++, Scheme(Racket)
- Advanced knowledge with Windows, OS X, Linux(Ubuntu/debian) operating systems, and Bash scripting
- Knowledge of web-development languages including HTML, CSS, Javascript
- Proficiency in functional, procedural, and object-oriented programs
- Experience with scientific packages including Matlab
- Able to manage projects independently or work with others in interdependently

Projects

Monopoly Game, C++ <https://github.com/AmyAmyZhu/bb7k>

- Implemented a game of monopoly with basic graph display UI and utilized some popular design patterns
- Used a detailed UML to plan and illustrate relationship between classes
- Strengthened project management skills by working in pairs

WLP4 Compiler, C++, MIPS <https://github.com/AmyAmyZhu/CS241>

- Developed a simplified C++ language(WLP4) compiler that supports linking, loading, and parsing
- Implemented a MIPS assembler that translates a MIPS assembly language program into a MIPS machine language binary file

Education

Bachelor: Computer Science

University of Waterloo

2017

Waterloo, ON, Canada

- Minor in Economics
- **Related Courses:** Design and Abstraction, Object-Oriented Programming, Sequential Programs, Data Structure and Algorithm, Operating System, Database management, Numerical Computation

Work Experience

Accountant's Assistant

HuaMing Accountants Company

06/2012 to 08/2012

Wenzhou, China

- Organizing files and learn accounting and invoicing
- Computing spreadsheets for accountants by using Excel

Extra-Curricular Activities

University of Waterloo, Waterloo, ON

- **Volunteered Peer Mentorship Training Program**, April, 2014 -- August, 2014
- **Member of Mathsoc**, Sept. 2013 -- Dec. 2013

Maple Leaf International High School, Dalian, China

- **Leader of Angels' Club**, Jan. 2012 – June 2013
- **English Ambassador**, Sept. 2010 – Dec 2011

Interests: Baking lover. Play the violin, guitar, and zither. Painting.