

## Objective

An internship position in the field of Computer Science.

## Summary of Quantification

- Proficiency in C/C++, Scheme(Racket), Java
- Advanced knowledge with Windows, OS X, Linux(Ubuntu/debian) operating systems, and Bash scripting
- Knowledge of web-development languages including HTML, CSS, Javascript, PHP
- Experience with scientific packages including Matlab
- Knowledge of SQL
- 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

*More information, check my github site/my personal website: <https://amyamyzhu.github.io/>*

## Education

University of Waterloo 2017  
Bachelor: Computer Science  
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

HuaMing Accountants Company June 2012 to August 2012  
Accountant's Assistant  
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