

Boyuan Wang

COMPUTER SCIENCE

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Education

University of Waterloo

ON, Canada

HONOURS MATHEMATICS

September. 2014 - PRESENT

- Candidate for Bachelor of Computer Science.

Skills

Language Java, Python, C/C++, Racket, Bash, Mips, Matlab, SQL

Web Javascript, html, css, NodeJs

Compiler Laxical analysis, Syntactic analysis, Semantic analysis, Code generation

Tools git, Bash Scripting, HomeBrew, Apache Spark, AWS Tools(S3, Lambda, API Gateway, EMR)

Experience

Amazon

Vancouver, BC, Canada

SOFTWARE DEVELOPMENT ENGINEER INTERN (SDE-INTERN)

Jun 5. 2017- Aug 23. 2017

- Develop a performance test framework that can efficiently generate customized data which can be used to test an internal system.
- This framework will be a configuration driven service for generating test data(JSON) that stretches various dimensions of scaling.

Bloomberg L.P. Code B (hackathon)

Biology 2 Building, University of
Waterloo, ON, Canada

SOFTWARE ENGINEER

Mar 20. 2015 - Mar 21. 2015

- Used Python to analyze the bid and ask price of different companies
- Built an UI using Java to view the information of each stock

Projects

SodukoSolver

Waterloo, On, Canada

SOLO

Oct. 2017 - Oct. 2017

- A soduko AI that can efficiently solve any soduko problem.
- Main techniques: Backracking, Most Constrained Variable, Most Constraining Variable, least-constraining value.

Waterloo Quell+ Plus Prodigy (wqp2)

Waterloo, On, Canada

GROUP - BACK-END

Apr. 2017 - Apr. 2017

- A side project for Waterloo Equithon, that to show the gender equality.
- wqp2 is a single agent board game like the game 'Quell+' that the player need try to avoid wrong answers and get each right answers

WLP4 Compiler (with Assembler)

Waterloo, On, Canada

SOLO

Jan. 2016 - Aug. 2016

- Develop a compiler(and also a Assembler) for WLP4(waterloo language plus points plus procedures) which is a programming language contains a strict subset of the features of C++.
- After project done, the compiler can compile WLP4 language to Mips and compile(Assembler) mips to Object Language(Machine Language)

EasyAce Education App

Waterloo, On, Canada

GROUP - CORE MEMBER

Sept. 2015 - Jan. 2016

- Developed data models, database accesses, server APIs with NodeJS and MongoDB with other co-founders.
- Researched on white board techniques to enable real-time connections though android App.