

Boyuan Wang

COMPUTER SCIENCE

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Education

University of Waterloo

HONOURS MATHEMATICS

- Candidate for Bachelor of Computer Science.

ON, Canada

September. 2014 - PRESENT

Skills

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

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), npm, truffle

Experience

Ventureum

SOLIDITY ENGINEER

- Completed a supervision system on the block chain, Use security of block chain to manage individual transaction and evaluation of cryptocurrency.

Toronto, ON, Canada

May 1. 2017- Aug 30. 2018

Amazon

SOFTWARE DEVELOPMENT ENGINEER INTERN (SDE-INTERN)

- 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.

Vancouver, BC, Canada

Jun 5. 2017- Aug 23. 2017

Bloomberg L.P. Code B (hackathon)

SOFTWARE ENGINEER

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

Biology 2 Building, University of

Waterloo, ON, Canada

Mar 20. 2015 - Mar 21. 2015

Projects

SodukoSolver

SOLO

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

Waterloo, On, Canada

Oct. 2017 - Oct. 2017

Waterloo Quell+ Plus Prodigy (wqp2)

GROUP - BACK-END

- 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

Waterloo, On, Canada

Apr. 2017 - Apr. 2017

WLP4 Compiler (with Assembler)

SOLO

- 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)

Waterloo, On, Canada

Jan. 2016 - Aug. 2016