

Ben Zhang

SOFTWARE ENGINEER

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Education

University of Waterloo

Waterloo, ON

2B COMPUTER SCIENCE

Sept. 2015 - Apr. 2020

- Cumulative GPA: 3.9, Major GPA: 3.95
- Recipient of the CIBC National Scholarship, awarded to one top performer in Math and CS competitions.

Experience

Facebook

Menlo Park, CA

APPLIED MACHINE LEARNING, SOFTWARE ENGINEER

May. 2017 - Aug. 2017

- Developed features for Caffe2, a deep learning framework, the infrastructure for all of Facebook's Machine Learning.
- Implemented runtime benchmarking and dynamic graph transformations, which will let Neural Networks perform optimizations based on its performance at runtime.

Yelp

San Francisco, CA

BIZ MONEY, FULL-STACK WEB DEVELOPER

Sept. 2016 - Dec. 2016

- Created a tool for business owners to view the effects of various upgrades, which led to 6% increase in total revenue.
- Worked with a Python and SQLAlchemy backend, and SCSS and JS for front end development.

Canadian Computing Competition

Waterloo, ON

PROBLEM WRITER AND EDITOR

Sept. 2015 - Present

- Worked with CS professors to create algorithmically challenging programming problem sets.
- Volunteered as a houseparent for the CCO, a week long retreat for the top 20 finishers of the CCC.

Projects

Battlecode, Waterloo Omega Ruby

Cambridge, MA

2ND PLACE AT MIT BATTLECODE

February 2017

- Worked in a team of three to develop a AI which plays a real time strategy game over the course of a month.
- Finished 2nd place overall amongst 1000 teams at MIT and internationally.

Resistora

Waterloo, ON

2ND PLACE AT TECH RETREAT WATERLOO

August 2016

- Android Mobile application which uses color detection to calculate the resistance of a resistor.
- Worked with a team of four, utilizing various color transformation and identification techniques.

Involvements

Waterloo ACM-ICPC Team

Waterloo, ON

RED TEAM MEMBER

Sept. 2015 - Present

- Member of the 3rd ACM Team of UWaterloo, finished 8th/100+ in the Northeast NA Regional Qualifier.
- Attends the ACM-ICPC World Finals as a supporting member of UW.

Achievements

2016	1st Place , Electronic Trading Hackathon, eth1 Jane Street	Waterloo, CAN
2015	Bronze Medalist , 27th International Olympiad of Informatics	Almaty, KAZ
2014	Contestant , 26th International Olympiad of Informatics	Taipei, TWN
2015	Honorable Mention , 13th International Olympiad of Linguistics	Blagoevgrad, BGR
2014-15	2x Gold Medalist , Canadian Computing Olympiad	Waterloo, CAN
2014-15	2x Qualifier , United States of America Mathematical Olympiad	USA