Ben Zhang
Software Engineer

☐ (+1) 650 304 9995 | ✉ yxbzhang@gmail.com | 🏠 www.benzy.xyz | ⭘ frenzybenzy | in yxbzhang

Education

University of Waterloo *Waterloo, ON*
3A 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 SQL Alchemy 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*