BEN ZHANG
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EDUCATION

University of Waterloo Waterloo, ON
BS. Honors Computer Science, GPA: 3.9 September 2015 - April 2020

- Recipient of the CIBC National Scholarship, granted to one top performer in Math and CS.

EXPERIENCE

MemSQL Seattle, WA
Query Optimization, Software Engineering Intern Expected: May 2018 - August 2018

Citadel Chicago, IL
Citadel Securities, Software Engineering Intern January 2018 - April 2018

- Research and Development of trading technologies. Work is under NDA.
- Citadel Securities is an award-winning global market maker across a broad array of fixed income and equity products.

Facebook Menlo Park, CA
Applied ML, Software Engineering Intern May 2017 - August 2017

- Developed features for Caffe2, a deep learning framework, powering all of Facebook's ad delivery.
- Implemented LLVM style compiler-time optimizations such as Common Subexpression Elimination for Caffe2 models. Furthermore, developed a framework which tests certain optimizations at run-time, and only applies them if performance improves.
- For a Hackathon, created a tool in Hack/PHP which displays activity for searches of querystrings as a Heatmap. Tool is adopted by Data Science teams.

Yelp San Francisco
Biz Money, Software Engineering Intern September 2016 - December 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, with SCSS and JS for front end development.

PROJECTS AND ORGANIZATIONS

MIT Battlecode 2017
2nd Place, Waterloo Omega Ruby

- Worked in a team of three to develop a AI which plays a real time strategy game over the course of a month. Placed 2nd over 1000+ teams, in a double knockout elimination bracket.

Waterloo ACM-ICPC 2015 - Present
Waterloo Red (3rd team)

Canadian Computing Competition 2015 - Present
Problemsetting Committee

- Working with CS professors, developed algorithmically challenging problem sets for 3000+ high school students in Canada. Gave presentations during the IOI selection camp to top 20 finishers.
- In 2016, the CCC suffered a DDoS attack during the competition. Within 48 hours, created a new problem set with functional test data, and deployed the new contest within two weeks.

AWARDS

1st place, eth1 UW and etc SF, Jane Street Trading Hackathon 2016, 2017

Bronze Medal, 26th International Olympiad in Informatics 2015

Honorable Mention, 13th International Olympiad in Linguistics 2015

2x Gold Medallist, Canadian Computing Olympiad 2014, 2015