Jeffrey Zhao

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Education

Sept 2016 – April 2020	**University of Waterloo**, Bachelors of Mathematics. 3.9/4.0 GPA. Double major in **Computer Science** and **Statistics**.

Experience

May 2019 – Aug 2019 — **Google Brain**, Software Engineering Intern.
- Research with using recurrent neural networks on syntax trees for code autocompletion.

May 2018 – Aug 2018 — **Google DisplayAds**, Software Engineering Intern.
- Worked on Paper Plane, a project to modularize and simplify DisplayAds C++ code.
- Designed and implemented **C++ static analysis parser** for examining google3 codebase and underlying function call graph. Used Clang ASTs, parallelized with MapReduce.

May 2017 – Aug 2017 — **Wish (ContextLogic Inc.)**, Software Engineering Intern.
- Worked on ProductBoost, a new impressions bidding platform for merchants.
- **Grew from \$1 M to \$10 M yearly revenue.** Worked in small team of 3 — had high impact.
- Redesigned product registration user stories and data analytics pipelines from MVP.

Dec 2015 – Feb 2016 — **MasseyHacks I**, Workshops Director.
Created and oversaw workshops at Canada's first high school hackathon.

Skills

Languages	C++ (30K lines), Python (10K lines), HTML+CSS+JS, many others
Technologies	Algorithms and Data Structures, Pandas+NumPy+TensorFlow, Clang, Linux

Awards

2017 — **Hack the North**, Winner.
Created DoppelGallery, a web app that looks through millions of old paintings for people that look like you. github.com/descrip/doppelgallery

2015, 2016 — **Canadian Computing Olympiad (CCO)**, Bronze Medal.
Programming contest for top twenty high school students across Canada, used to select Canada's team for the International Olympiad in Informatics (IOI).

Projects

2017 — **OmongDB**, C++.
SQL database written as an on-disk B+tree. github.com/descrip/omong

2016 — **Skirmish Online Judge**, PHP, HTML+CSS+JS, MySQL.
Online judge web app for programming contests. github.com/descrip/skirmish