

# SHINE WANG

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## SKILLS

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- Professional experience with Python, C++, JS (ES6), SQL/MySQL, machine learning, NLP, distributed systems, data storage (HBase), web optimization

## WORK EXPERIENCE

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**Facebook** Sept – Dec 2016  
*Software Engineer Intern* Menlo Park, CA

- Implemented a Babel plugin that efficiently encoded Javascript to reduce browser parsing time
- Contributed three sets of optimizations to a modern, ES6 JS minifier ([github.com/babel/babili](https://github.com/babel/babel))
- Added PHP lint rules using OCaml

**Quora** Jan – Apr 2016  
*Software Engineer Intern* Mountain View, CA

- Designed, tuned and productionized a classifier to detect harassment comments using NLP
- Re-designed and migrated the storage of answer ranking features from MySQL to HBase in Python
- Developed a high-volume logging service in C++ (similar to Facebook's Scribe)
- Prototyped an answer collaboration UI that lets writers share and comment on drafts using JS

**Google** May – Aug 2015  
*Software Engineering Intern* Kitchener, ON

- Wrote MapReduce pipelines that collected, aggregated, and summarized Ads logging metadata in C++
- Prototyped a web dashboard to statistically analyze and visualize the volume of those logs

**Beyond** Sept – Dec 2014  
*Co-founder* Vancouver, BC

- Trained a classifier to quantify people's stress levels using data from smartwatches and chest straps

## PROJECTS & ACTIVITIES

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**Machine Learning Library** Jan 2016  
*[github.com/shinew/ml-library](https://github.com/shinew/ml-library)*

- Open-sourced a C++ implementation of simple machine learning classifiers

**Canadian Computing Competition** May 2013  
*Silver medallist, top 20 of 2000*

- Solved challenging programming problems with advanced algorithms and data structures in C++

## EDUCATION

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**University of Waterloo** Apr 2018 (expected)  
*Honours Bachelor of Computer Science*

- 3.94 GPA; on the Dean's Honour List every term (requires term averages > 87%)
- Relevant Coursework: Algorithms, Operating Systems, Numerical Computation, Statistics