

University of Waterloo  
4A Computer Science

**David (Hao) Xue**  
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## Technical Skills

- Highly proficient in Java, C++, C, Python, HTML, CSS, SQL
- Working knowledge of Objective-C, JavaScript (Backbone.js, jQuery), Scheme
- Experienced with tools such as Git, Vim, Bash, Android Studio, Eclipse, Xcode, MongoDB, Hive

## Work Experience

### Google

Waterloo, ON

#### Software Engineering (Intern)

January – April 2016

- Independently designed and implemented major new features for the Google Fiber TV Android app, while using libraries such as ExoPlayer, Guava and Dagger
- Rewrote backend APIs to use a new query framework, improving maintainability and performance
- Used: Java

### Wish – Shopping Made Fun

San Francisco, CA

#### Software Engineering - Product (Intern)

May – August 2015

- Worked on the product team at Wish, a mobile shopping app with over 100 million users, on Android, iOS, web frontend, server API, and backend processing
- Developed new features for Wish's Android and iOS apps, as well as their backend components
- Solely implemented a complete redesign of wish.com, significantly improving web sales
- Used: Java, Objective-C, Python, JavaScript (Backbone.js), HTML, CSS, MongoDB, Hadoop, Hive

### Pivotal Labs

Toronto, ON

#### Agile Engineer (Intern)

September – December 2014

- Developed the core features of the new Pivotal Tracker Android app, an agile project collaboration tool, while using TDD practices with Robolectric, Mockito, RoboGuice
- Used: Java, Objective-C, SQL

### SAP

Vancouver, BC

#### Software Developer in Test (Intern)

May – December 2013

- Worked on frontend and backend of a new content management web app for SAP Lumira
- Used: C++, Javascript, HTML, CSS, Python, SQL

## Projects ([github.com/david-xue](https://github.com/david-xue))

**Chess (C++)** – a full chess game in C++ with a GUI built using the X11 graphics library and a minimax AI

**Scrabble (C++)** – a Scrabble game with an Allegro graphics library GUI featuring human and AI play

## Education

### Candidate for Bachelor of Computer Science, Co-op

2012 – 2017 (expected)

University of Waterloo

Waterloo, ON

Cumulative Average: 89%