University of Waterloo
3B Computer Science

Hao (David) Xue

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Technical Skills

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

Work Experience

Wish – Shopping Made Fun   San Francisco, CA
Software Engineering - Product (Intern)   May – August 2015

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

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 agile and TDD practices
- Expanded the Android unit test suite by over 150%, using 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

Chess (C++) – a full chess game in C++ with a GUI built using the X11 graphics library and a minimax AI
Personal Website (HTML, CSS, Javascript) – Built using Bootstrap and hosted on Github Pages
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: 92%

Awards

- Dean's Honours List in all academic terms   September 2012 – Present
- Math Faculty Entrance Scholarship, University of Waterloo   September 2012 – Present
- President's Scholarship of Distinction, University of Waterloo   September 2012