

University of Waterloo
3A Computer Science

David (Hao) Xue
 [david-xue.github.io](https://github.com/david-xue) 

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Technical Skills

- Highly proficient in C++, C, Java, SQL
- Working knowledge of HTML, CSS, JavaScript, Objective-C, Python, Scheme, Bash
- Experienced with tools such as Git, Perforce, Vim, Android Studio, Eclipse, Xcode, Jenkins

Work Experience

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 Android unit test suite size by 150%, using Robolectric, Mockito and RoboGuice
- Built a prototype iOS app that integrated new iOS 8 features in existing apps
- Technologies used: Java, Objective-C, SQL

SAP

Vancouver, BC

Software Developer in Test (Intern)

May – December 2013

- Worked on the backend and frontend of new content management web application for SAP Lumira, a business intelligence and analytics software
- Implemented and helped design a desktop application installer for Linux and Windows
- Technologies used: C++, Javascript, HTML, CSS, Python, SQL

Projects (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

Crossword Solver (Android, Java) - an Android app that helps the user solve crossword puzzles

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: 91.3%; Taken advanced level CS and Math courses

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
- Top 1% in the Euclid Math Contest, University of Waterloo June 2012
- Computer Science Department Award, Earl Haig Secondary School June 2012