

jeffreyyiao

Software Engineer // University of Waterloo
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EDUCATION

University of Waterloo

Candidate for Bachelor of Software Engineering
96% Cumulative Average // 4.0 cGPA // Top Decile

Waterloo, Canada

Sept 2016 - Present

EXPERIENCE

Yelp

Software Intern on Webcore

San Francisco, California

May 2017 - Sept 2017

Modernized build pipeline and built tooling to migrate services from Google Closure Library to ES6 and Webpack, and from npm to yarn. Scoped out and evaluated solutions for better client-side js error reporting. Implemented and rolled out infrastructure to process over 25 million errors every month to over 20 services. Helped develop infrastructure and tooling to migrate services to React, including server-side rendering of React components.

Ivy Global

Software Intern and Project Lead

Toronto, Ontario

Nov 2015 - Sept 2016

Developed an ASP web application that displays SAT scores and statistics for mock exams in real time. Led the development of a bubblesheet marker using .NET, convolutional neural networks, and custom image processing algorithms to process blurred, tilted, and imprecise images.

PROJECTS

Emergicare

devpost.com/software/emergicare-hsup49

Hack the North

Sept 2016

Android background service that sends optimized GPS and network locations by text to a specified number every time 911 is called. The operator dashboard supports routing of emergency vehicles simulated by the Waterloo bus system. Built with Android, Twilio, Node, React, and Firebase. **Related News:** codx.ca/news/blog-posts/open-data-opens-eyes-at-hack-the-north

React Chess

github.com/jeffrey-xiao/React-Chess

Personal

Jun 2016

Multiplayer chess written in React and Socket. Supports different modes (madhouse, bughouse, normal), a timer, a chatroom, and a history of moves.

SwagMusic.js

github.com/xelendt/swagmusic.js

Hack UofT

Jan 2016

3D model that dances to music. Built with WebGL and Web Audio API.

In The Loop

github.com/jeffrey-xiao/in-the-loop

Hack Western

Nov 2015

AngularJS application and Python backend that aggregates current news information based on trending Twitter keywords in live time.

Resistora

devpost.com/software/resistora

Tech Retreat

Aug 2015

Android application that determines the resistance of various resistors using the camera and a custom image analysis algorithm.

CONTACT

🏠 jeffrey-xiao.github.io

🐙 github.com/jeffrey-xiao

🔗 devpost.com/jeffreyyiao

in linkedin.com/in/jeffreyyiao

SKILLS

PROFICIENT

Java // C // C++ // C# // Python
JS // ES6 // React // Node
Algorithms // Data Structures
Linux

PRIOR EXPERIENCE

Go // Bash // Scala // Rust

ACADEMICALLY EXPOSED

R // MATLAB // Octave
Machine Learning

CERTIFICATIONS

Certified Java SE 6 Programmer
Algorithms I & II by *Princeton*
Algorithms I & II by *Stanford*
Machine Learning by *Stanford*
R Programming by *Microsoft & JHU*

AWARDS

2017	First at Greylock Hackfest
2017	Second at MIT Battlecode
2016	Fourth at the ACM ICPC East Central North American Regionals
2016	Bronze at the International Olympiad in Informatics
2016	Gold at the Canadian Computing Olympiad
2015	Silver at the Canadian Computing Olympiad
2015	Platinum Division in USA Computing Olympiad