

jeffreyyxiao

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Experience

Yelp

San Francisco, California

Software Intern on Webcore

May 2017 – Sep 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

Toronto, Ontario

Software Intern and Project Lead

Nov 2015 – Sep 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

inSight

Greylock Hackfest

goo.gl/Qy4TcJ

Aug 2017

- Fully interactive AR headset that uses both machine learning and custom image analysis algorithms to display information about the user's point of focus.
- Applied gaze tracking to enable full control of headset via eye movement.
- Used Bing and IoT technology to control home appliances and learn about surroundings in an intuitive way.

Emergicare

Hack the North

devpost.com/software/emergicare-hsup49

Sep 2016

- Android background service that sends optimized GPS and network locations by text to a specified number every time 911 is called.
- Built an operator dashboard that supports routing of emergency vehicles simulated by the Grand River Transit system.
- Developed with Android, Twilio, Node, React, and Firebase.
- **Related News:** goo.gl/S5u1vr

In The Loop

Hack Western

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

Nov 2015

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

Resistora

Tech Retreat

devpost.com/software/resistora

Aug 2015

- Android application that uses a custom image analysis algorithm to determine the resistance of various resistors.

Skills

Proficient

Java // C // C++ // C# // Python
JavaScript // React // Node
Git // Linux

Prior Experience

Go // Bash // Scala // Rust

Academically Exposed

R // MATLAB // Octave // Assembly

Awards

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

Certifications

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

Education

University of Waterloo

Bachelor of Software Engineering

2016 – 2021 // Waterloo, Canada

- 95% Cumulative Average
- Top Decile (2 Terms)
- Dean's Honour List (2 Terms)