jeffreyxiao

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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)