YIFAN MA

University of Waterloo
3A Software Engineering
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Skills

Angular2	AngularJS
Node.js	Android
React	React Native
Python	C++

Education

Expected 2020 | University of Waterloo
Candidate for Bachelor of Software Engineering

2015 | The Woodlands School
Ontario Secondary School Diploma

Interests

2015 | The Woodlands School
Varsity Badminton Team

2015
RCM Piano Celebration Series

Awards

2015 | The Woodlands School
Honours Standing in CCC

2015 | The Woodlands School
COIN 4th Place, CPA Ontario

2014 | The Woodlands School
CS Subject Award

2014 | DECA International
3rd Place in Business Law and Ethics

Work Experience

Sep 2017 - Dec 2017 | Toronto, Ontario
Agile Software Engineer, TribalScale
- worked on NBA's Alexa skill, Carnival's Android app, and CIBC's website
- built an extensible Alexa skill-builder web app from the ground up with React/Node.js
- face-paced environment where I had to learn quickly and communicate effectively

Jan 2017 - Apr 2017 | Waterloo, Ontario
Full Stack Web Developer, Imagine Communications
- contributed to an AngularJS and LESS content management web app
- updated many of the UI's unit tests
- completed almost 100 stories over the four months

May 2016 - Aug 2016 | Remote
Front-end Web Developer, Metal Trading Co.
- a part-time position I took while at my first co-op at AAFC
- built a marketplace web app in Angular2
- created a web socket server with Node.js and socket.io

May 2016 - Sep 2016 | Harrow, Ontario
Computer Programmer, AAFC
- worked on a graphing application in VB.NET
- updated a scientific model written in Fortran
- took the initiative to add features and refactor existing code when I had time

Other Projects

Personal Website
- please visit my Angular2 website, yifanma.me, for more information about myself

Reddit Couplet Bot
- Python bot that parses Reddit comments for couplets
- difficult linguistic problems, such as rhyming, were solved with heuristics or APIs

Note Heads
- React Native note-taking app that uses Facebook Messenger's "chat heads" idea
- The "chat heads" part requires native code
- I made this app so I could view my notes on any screen

Inventory Slackbot
- an independent Node.js project I started while at TribalScale
- connects to an inventory server to allow users to manage devices through Slack

Gomoku
- a connect-five board game to introduce myself to React
- supports illegal move detection

Adoorable
- a simple web game that is a copy of the original with the same name
- there is a very neat twist at the end that inspired me to recreate it