Jim Zhu

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Technical Skills

- **Languages**: Java, C#, C++, JavaScript, HTML, CSS, SQL
- **Technologies**: AngularJS, Apache Cordova, .NET Framework, Ionic Framework, Android SDK, Google Firebase
- **Tools**: Git, SVN, TFS, Visual Studio, Android Studio, IntelliJ IDEA, Eclipse, NetBeans

Work Experience

MHS Inc. - Software Developer, Innovation Hub   May 2016 - Aug. 2016

- Participated in agile methodologies with a small, closely knit team
- Developed RESTful APIs for the scoring and report generation of the new MindQ Wellness Assessment, soon to be delivered to half a million clients in Canada, the US and the UK
- Designed and built the PINGS cross-platform mobile app using the Ionic Framework, gamifying peer-to-peer recognition and nomination

Personal Projects

Dead Reckoning Navigation App   Jan. 2016 – Apr. 2016

- Created a native android app that tracks a user's movement using onboard sensors
- Implemented an A* algorithm that can show the user the shortest path to a selected destination on any .svg map

Grocity   Dec. 2015 - Present

- Working with a partner in creating a website for a start-up grocery delivery service
- Built using WordPress and WooCommerce

J-OSU   Apr. 2015 - June 2015

- Developed a rhythm game capable of reading custom song files in Java
- Incorporated custom game loops to minimize delays between audio and visuals

Technical Associations

University of Waterloo - Autonomous Robot Racing   Sept. 2015 - Present

- Redesigning the electrical systems and connections, making it lighter, more maintainable, and (finally) modular

Agincourt Collegiate Institute - Robotics Team Captain   Sept. 2012 - June 2015

- Revitalized team: organized meetings, streamlined design and build processes, and lead team to best ever finishes (4th in FIRST and 1st in VEX regionals)

Education

University of Waterloo - Candidate for BASc Computer Engineering   Sept. 2015 - May 2020

- Term Dean's Honours List for Winter 2016, ranked 7th out of 101 students

Agincourt Collegiate Institute - Ontario Secondary School Diploma   Sept. 2011 - June 2015

- Bilingual Certificate from the Extended French Program