

Creator and Developer

I am a high school student with a passion for programming and working with technology!
I am always eager to learn new things, take opportunities to grow, and tackle difficult problems.



hello@williamqin.com



http://williamqin.com



WilliamLQin



williamqin



williamqin

EDUCATION

Enhanced Learning Program | Sep. 2017 - present
Ontario Secondary School Diploma (Graduating 2019)

The Woodlands Secondary School
Mississauga, Ontario

SKILLS

Programming C#, Java, Python 3, JavaScript, TypeScript
Tools Unity, Visual Studio, Android Studio, Eclipse, Git, Adobe Illustrator & After Effects
Web HTML 5, Markdown, CSS 3, Bootstrap 4, jQuery, Angular, Jekyll (Ruby)
Amazon Web Services (S3, CloudFront, Route 53, IoT, Lambda)
Tech/APIs Firebase, Arduino, Raspberry Pi, OpenCV, Amazon Alexa Skills, Virtual Reality

EXPERIENCE

Software Developer Intern | Jul. – Aug. 2017

D&R Electronics Co.

Automated lightboard message creation by creating a Windows application in C#
Message creator saved time spent manually creating messages – up to an hour per message
Assembled parts for manufacturing electronic equipment, mainly wiring

Robotics President | Sep. 2015 – present

FRC Team 4308

Managed FIRST Robotics Competition team to raise funds and build an industrial-sized robot *Team 1325 (2015 –2017)*
Established a strategy team that built a Firebase web app and collected data to make key decisions
Led software team to program essential robot controls and autonomous driving mode in Java
Effective robot design and strategy led to team success to become divisional semi-finalists at the world championships
Contributed to team community involvement, winning the District Chairman's Award at Ryerson University in 2017

PROJECTS

Vision Motion | Oct. 2017 – Jan. 2018

Built a motion sensor Android app with Java, Android Studio, and OpenCV
Leveraged real-time computer vision to track the motion of an object and produce a graph
Deployed a website at visionmotion.tech and launched the app on Google Play Store with 130 total installs

Talk 2 Control | Dec. 2017

Led a team of four to create a web application that allowed presenters to control presentations with just their voice
Built with Flask Python back-end, JavaScript, HTML, CSS, and hosted on Digital Ocean
1st Place winner at Local Hack Day at Shopify Toronto

AWARDS & ACHIEVEMENTS

2018 **28th in the World** | Sir Isaac Newton Physics Exam
2018 **Honour Roll** | Canadian Computing Competition Senior (University of Waterloo CEMC)
2018 **1st Place in School, and Honour Roll** | Fermat Math Contest (CEMC)
2016 **1st Place Provincial Winner** | Business Services Operations Research Category (DECA Ontario)