

# Michael Xu

Toronto, Ontario 

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## Skills

- C++, C, Java, Python, SQL, JavaScript, HTML/CSS
- Unix/Linux, Android, Visual Studio, Git, SQLite, CPLEX Optimization Studio, Blue Prism

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## Experience

MAY 2017 – PRESENT

### **Automation Developer / TD Wealth, Toronto Ontario**

- Designed RPA solutions using Blue Prism in accordance with standard design principles and conventions
- Engaged with executives and stakeholders to identify, prioritize and develop automated solutions that aligned with business requirements
- Managed the successful deployment of an automated system for financial planners and mentored colleagues through the Blue Prism accreditation program

SEPT 2015 – MAY 2017

### **Research Assistant / McMaster University, Hamilton Ontario**

- Implemented a large scale computational algorithm to optimize operational research problems using Visual Studio/C++
- Collaborated with professors to deliver seminars and review papers on topics related to emergency and disaster management
- Provided guidance to students while supervising research projects and shared responsibility for teaching sections in: Operations Management, Business Statistics, Calculus II, and Engineering Mathematics III

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## Education

SEPT 2015 – JUNE 2017

### **Master of Science / McMaster University, Hamilton Ontario**

Computational Science and Engineering

Relevant coursework: Scientific computing, programming languages, algorithms and data structures

SEPT 2011 – JUNE 2015

### **Bachelor of Mathematics / University of Waterloo, Waterloo Ontario**

Mathematical Optimization - Operations Research

Relevant coursework: Object-oriented programming, databases and algorithms, calculus 4

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## Interests and Hobbies

Participating in hackathons – Solving puzzles – Competitive programming – Swimming – Scuba diving