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Timothy Lock

Education	University of Toronto	(09/2014 – 04/2019)
	Bachelor of Computer Science	

Technical Skills

Programming Languages: Java, Python, C++, C, SQL, HTML, JavaScript, Golang
Version Control: Subversion, Git
Operating Systems: Windows, Unix, Linux
Relational Databases: SQL
Hardware: Soldering, Assembling computers
IT: Technical support, Server maintenance, Networking

Work Experience

Associate Platform Engineer   Wattpad Corp.
Toronto, Ontario   (05/2017 – 09/2018) (06/2019 – Present)
- Actively involved in entire product lifecycle from deciding initial specs, to system design, to implementation and scaling
- Design and implement many microservices in the backend systems
- Maintain and migrate legacy-systems and datastores to newer technologies like Golang, Redis, AWS Aurora, etc.

IT Help Desk Analyst.   University of Toronto
Toronto, Ontario   (09/2018 – 05/2019)
- Provide technical support for over 1150 students on the university network
- Actively come up with solutions to connect new users onto an aging infrastructure
- Upgrade networking equipment in student rooms

Computer Instructor   LogicFusion Ltd.
Markham, Ontario   (07/2015 – 11/2018)
- Develop and teach curriculum-based classes in programming, hardware, robotics, game design
- Collaborate with fellow instructors to develop ways of improving the courses

Other Experience

Aerial Robotics Division Lead   University of Toronto Aerospace Team
Toronto, Ontario   (2017 - 2018)
Vision Subdivision Co-Lead   (2015 - 2017)
- Develop the computer vision software program for the autonomous quadcopter
- Ensure the quadcopter operations are within allowable limits

Server Administrator   8th Markham - Scouts Canada
Markham, Ontario   (2014 - present)
Scout Member   (2000 – 2014)
- Guide other patrol members in reaching set goals
- Design the front end of the site and maintain the server in a Dockerized environment

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Tech Crew Lead   **St. Augustine Catholic High School**
Markham, Ontario   (09/2010 – 09/2014)

- Set up and operate sound and lighting equipment
- Set up network cameras to allow backstage to monitor the productions
- Effectively communicate with stage crew, make-up, and band

Executive Member   **Unionville Youth Council**
Markham, Ontario   (09/2010 – 07/2014)

- Organize events with external parties and internal members
- Representative for Unionville Youth Council for Unionville Home Society
- Attend executive meetings to help run the council and organize various events in the community

Awards/ Certifications

MHacks Intel Sponsorship Prize. University of Michigan. 2016 – Best use of the Intel Edison (Control a quadcopter via a WiiU Gamepad)

MHacks Apple Sponsorship Prize. University of Michigan. 2015 – Building the best hardware hack judged by Apple.

Queens Venturer Award. Governor General of Canada. 2015 – The highest Scouting proficiency award for youth members in Scouts Canada.

Medal of Maple For Distinguished Youth Service. Scouts Canada. 2015 - Significantly contributed to the spirit of Scouting through community service, extraordinary Scouting participation and a solid system of personal values.

Waterloo Computing Award. St. Augustine Catholic High School. 2014 – For top score in the Waterloo Canadian Computing Competition.

Lieutenant Governor Volunteer Award. Government of Ontario. 2014 – For going above and beyond. Most volunteer hours in the school (1000+ hours)

UOIT Robotics Winner Award. University of Ontario Institute of Technology. 2014 – For top score in the UOIT Robotics Competition.

High Five Certification. City of Markham. 2015 – For the completion of the High Five Leadership staff course.

Leadership in Training Certificate. Town of Markham. 2011 – For the completion of the LIT course.