

# 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: Networking, Soldering, Assembling computers

IT: Technical support, Server maintenance

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

8<sup>th</sup> 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



# Timothy Lock

Awards/ Certifications 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.

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