

TYLER LIU

2A Computer Engineering
University of Waterloo

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 tyler-liu.com

 TylerLiu42

Summary

- Experience with **Java** and **C++** through various courses and personal projects
- Familiar with web development through projects built with **HTML/CSS** and **JavaScript**
- Proficient in time-series **database** from working as a programmer
- Works effectively under pressure, as shown through experiences at York Region Transit
- **Quick to learn** new technologies, as shown through lab work

Experiences

Database Programmer

Sep-Dec 2017

Ontario Ministry of Finance

- Wrote scripts and queries in FAME database, delivering data to economists in a reliable manner
- Debugged existing programs and developed creative solutions for technical problems
- Developed and published a housing report which was presented to the Deputy Ministers and used in the decision-making process

Transit Management Systems

Jan-Apr 2017

York Region Transit

- Created and conducted test cases for new mobile fare payment app
- Conducted corporate training on mobile fare payment
- Designed mockup of PRESTO instruction sticker for bus stops
- Serviced fare machines in a thorough and timely manner

Research Assistant/Database Developer

Jul-Aug 2015

University of Toronto

- Completed a plasmid database that received excellent reviews from lab members
- Resulted in greater time efficiency, as observed by users
- Aided a graduate student with his research projects by performing portions of experiments
- Studied methods of genetic modification using restriction endonucleases

Projects

Out of the Park

- A baseball simulation game written in Java, implementing concepts of object-oriented design
- Built with swing library and Abstract Window Toolkit

HealthLens

- A nutrition aggregator website to help users make healthier food choices, developed at T-Hacks 2017
- Built with HTML/CSS front end, pulled JSON data from API endpoints and parsed with JavaScript to provide graphical representations of daily nutrition allotment

Interests

- Engineering Society Rep
- Sports Analytics and Sabermetrics
- Chess Theory