

# Dishu Lyu

## EXPERIENCE

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### *Junior Web Developer*

University of Toronto, School of Cities  
MAY 2020 – AUGUST 2020

Architect and develop a mixed-use matching platform, a web application, which is also a [research project](#), from the beginning. Build with Node.js, Python, React.js, GraphDB, MongoDB.

### *Research Assistance*

University of Toronto, Department of MIE  
JANUARY 2020 – APRIL 2020

Work on a web app of social needs market that provides volunteer opportunities. Django & React.js.

### *Software Developer Internship*

Ontario Ministry of Health and Long-Term Care  
SEPTEMBER 2018 – AUGUST 2019

R&D a generic data collection tool using MS Excel like web interface. Involves in real time formula parsing and evaluating in the browser runtime.

### *Software Developer Co-op*

Xiamen Dnake Intelligent Technology Co., Ltd.  
JUNE 2016 – AUGUST 2016

Port C++ code into a web application with Spring MVC framework.

## SKILLS

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### *Programming and DB*

C, C#, JAVA, JavaScript (Node & Browser), Python, Shell,  $\text{\LaTeX}$ , SQL, NoSQL, SPARQL, RDF (Ontology)

### *Framework & Library*

Node.js, React.js, React Native, Express.js, Django

### *Other*

HTML5, CSS, Git/Github, SVN, Docker

## INTERESTS

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- Web Full Stack Programming
- Computer Networks & Low Level Programming

## EDUCATION

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### *University of Toronto*

A&S BACHELOR'S DEGREE (2015 - APRIL 2020)

- Computer Science Specialist
  - Focus on Artificial Intelligence
  - Focus on Web and Internet Technologies
- Statistics Minor

## PERSONAL INFORMATION

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Portfolio: [lesterlyu.github.io](https://lesterlyu.github.io)  
Github: [github.com/LesterLyu](https://github.com/LesterLyu)

## PUBLIC PROJECTS

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The following projects are available on Github Page.

- 2019 **Excel Formula Parser & Evaluator**  
*A JavaScript library to parse and evaluate MS Excel/Google Sheets formulas with near 300 formulas support and competitive performance.*
- 2019 **Generic Data Collection Tool**  
*A web app designed for businesses to create data collection forms on the fly and collect data in a short period of time. It provides MS excel like web interface for ease of use.*
- 2019 **Xlsx Populate**  
*A JavaScript library that creates or modifies MS Excel files. It supports real-time formula evaluating and is able to run in the browser.*
- 2017 **Connect Four AI**  
*An implementation of Minimax Algorithm on [Connect Four](#) with GUI.*
- 2016 **UofT Timetable**  
*A timetable Android app for students in University of Toronto. Students can import their timetable from their student account and search course details.*
- 2016 **Acorn API**  
*An Acorn API for University of Toronto. Acorn is UofT's student information service. It has no public API. I wrote this to support the UofT Timetable above.*

## NOTES

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- This resume also available on <https://lesterlyu.github.io/resume.pdf>
- There are some demos on the [portfolio](#).
- UofT Timetable is temporary unpublished from Play Store due to an API change from UofT.