

EDUCATION

BACHELOR OF STATISTICS AND COMPUTER SCIENCE – GPA: 3.80

McGill University, Montreal, Quebec

2012–2015
(expected)

PERSONAL PROJECTS

WEB DESIGN

2014–pres

- Experienced in front end design: HTML5, CSS, Javascript, JQuery, Bootstrap, Angular.js.
- Implemented Minesweeper and match three games. Experienced in drawing and animating graphics.

GAME DESIGN

2014–pres

- Implemented random maze generation and verlets using Unity3D and C#.
- Implemented a card game in Java with GUI and AI opponents. Experienced in OOP, design patterns, unit testing and UML diagrams.

TWEET SCRAPING

2013–2014

- Scraped Twitter tweets and analyzed popular course subjects using Python.
- Implemented red-black tree data structure.

BLOGGING

2011–pres

- Maintained blogs on Wordpress for discussing problems seen in class.
- Currently designing a custom website to discuss various math and programming problems.

EXPERIENCES

SUMMER RESEARCH ASSISTANCE

2014

Network Dynamics @ McGill University, Quebec

- Implemented 6 existing geographical location inference methods in published literature to infer Twitter tweet and user location.
- Experienced with machine learning methods and optimization algorithms.
- Familiarity with UNIX environment and version control platforms.

GoCODE 2014 (INTERNAL HACKATHON)

2014

Network Dynamics @ McGill University, Quebec

- Designed a tool to annotate toponyms in tweets using ark-nlp and phonetics.
- Gathered location data from DBPedia using SPARQL.
- Attempted to map GADM shapefiles to DBPedia data using RDF files.

OTHER HACKATHONS YHACK (FALL 2014), MCHACKS (SPRING 2015)

2014–2015

- Experimented app development with Kivy and Android Studio. Worked with Wolfram API.

DELTA-EPSILON EDITOR

2014

McGill University, Quebec

- Edited research articles for McGill University's undergraduate math journal.

YI TIAN XU

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ytixu.github.io/HTMLdump

LANGUAGE

Fluent in English and French

Fluent in spoken Mandarin

COMPUTER SKILLS

Python, Java, C#, C

Javascript, HTML5, CSS

R, MATLAB, \LaTeX

Unity3D, Eclipse, Photoshop

UNIX

INTEREST

Art crafting, writing fiction,
photography, traveling