YI TIAN XU

5432 terrasse Beaudry
Saint-Hubert (QC) J3Y 6L3
Home: (514) 447-4171
Cell: (514) 961-4171
yi.t.xu@mail.mcgill.ca
ytixu.github.io/HTMLdump
github.com/ytixu
ca.linkedin.com/in/yitianxu
goldenratiphi.wordpress.com

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 with Javascript, JQuery, HTML5 and CSS.
- Implemented Minesweeper and match three games. Experienced in drawing and animating graphics.

GAME DESIGN — 2014–pres
- Implemented random maze generation and verlets using Unity 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.

LANGUAGE

Fluent in English and French
Fluent in spoken Mandarin

COMPUTER SKILLS

Python, Java, C#, C
Javascript, HTML, CSS
R, MATLAB, LaTeX
Unity, Eclipse, Photoshop
UNIX

INTEREST

Art crafting, writing fiction, photography, traveling

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.