YI TIAN XU

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yi.t.xu@mail.mcgill.ca
ytixu.github.io/HTMLdump
github.com/ytixu
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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–pre

· Created a personal website in Javascript, HTML5 and CSS.
· Familiar with Github, DOM Storage, JQuery, MathJax.

GAME DESIGN   2014–pre

· Created 3D games on Unity in C#. Familiar with modern game designs and algorithms.
· Created web games. Familiar with drawing and animating graphics on HTML canvas.
· Created a card game in Java with GUI and AI players. Familiar with OOP, design patterns, unit testing and UML diagrams.

TWEET SCRAPING   2013–2014

· Collected and analyzed Twitter tweets in Python.
· Implemented red-black tree data structure.

BLOGGING   2011-pre

· Maintained blogs on Wordpress for discussions on problems seen in class.
· Currently writing on a self-made website, discussing about 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
Photoshop, Unity
UNIX

INTEREST

Art crafting, writing fictions, 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 users location.
· Familiar with machine learning methods and optimization algorithms.
· Working experiences in UNIX system and code version control.

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.

DELTA-EPSILON EDITOR   2014
McGill University, Quebec

· Edited research articles for the university's undergraduate math journal.

COSTUMER SERVICE FOR POST CANADA, PART-TIME JOB   2012–2013
London Life, Montreal, Quebec

· Wrote a C# program to reduce the time required to sum up the total sell.