

Tong Wu

Enthusiastic, Self-Motivated and *Tech-Loving*
individual who works well under pressure, in fast-paced
environments and within a team.

WORK EXPERIENCE

DATA MANAGEMENT OFFICER

Environment and Climate
Change Canada

Sept 2016 - Dec 2016

- > Python
- > ArcPY
- > ArcGIS

- Developed Conservation Screening Scripting Tool in Python with UpdateCursor in ArcPy package and ArcGIS to improve data input efficiency
- Implemented Landscape Assessment Querying Tool to improve spatial data extraction and categorize landscape data based on query
- Assisted senior manager with Canadian Landscape Atlas by designing spatial landscape maps and creating logic flowcharts

PROJECT ASSISTANT

Environment Canada

Jan 2016 - May 2016

- > Django
- > Python
- > Bootstrap
- > SQLite
- > Google Earth

- Increased **50%** technical efficiency within the Radar Group by developing and maintaining an internal website (R3M) using Django and Bootstrap
- Coordinated with senior manager in performing Wind Farm Analysis by modifying wind farm locations using Google Earth
- Maintained Radar Outage Page on Environment Canada public website by performing XML updates

RELEVANT PROJECTS

SCRAMBLR 1.0

UofTHacks - 2017

- > Android Studio
- > Java
- > XML

- Created an Android application that encrypts and scrambles an image by changing the RGB values of each pixel and sets a password
- Decrypts an encrypted static image by using preset password from the encrypt application
- Designed the camera application that takes an image and performs scramble function

SURVIVE THE QUARTER!

RBC Hackathon - 2016

- > HTML
- > CSS
- > AngularJS
- > Javascript

- Co-designed a web-based financial game using AngularJS
- A simulation game that encourages people to start a business using RBC information and data
- Established a more entertaining way of financial learning without being overwhelmed by the cliché financial documents

PERSONAL WEBPAGE

Tongwu.me - 2017

- > HTML
- > CSS
- > React-Bootstrap
- > Javascript

- Developed introductory page using React with various Bootstrap elements including navBar and Affix
- Implemented a photo gallery and uploaded project demos

LOCATION ALLOCATION


Aug 2016

- > ArcGIS
- > Python
- > ArcPy

- Leveraged geocoding and network analysis to find optimal locations for new Lowe's stores
- Drafted an analysis report based on different scenarios of opening options such as single or multiple locations

ABOUT

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 TONGWU.ME

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TECHNICAL SKILLS

LANGUAGES

Python Java Javascript
HTML CSS SQL
Scheme Bash

WEB DEVELOPMENT

Django React-Bootstrap
Dreamweaver NodeJS

TOOLS

CartoDB QGIS ArcGIS
Git Android Studio

DESIGN

Photoshop

DATABASE

PostgreSQL SQLite
Geospatial

EDUCATION

UNIVERSITY OF WATERLOO

BES, 2014 -2019

3A Honours Geomatics,
Minor in Computer Science

Sept 2014 - Present

INTERESTS

 BADMINTON

 GUITAR

 PING PONG

 FOOSBALL

 VIDEO GAMES