Tianle Wang

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Education

University of Toronto   *Toronto, CA*

HBSc in Mathematics and its Application on Statistics and Computer Science   *Sept 2020 - Sept 2023*
- **Focus Courses:** Regression Method, Statistical Theory and Methods, Statistical Computation, Probability, Computers and Society, Object-oriented Programming and Software Design, Software Tools and System Programming, Data Structure and Algorithm Analysis

Work Experience

Shanghai Yuliang Packaging and Printing Co., Ltd   *Shanghai, China*

Data Manager   *Jun 2020 - Sept 2020*
- Organize the productions and manage partial of raw materials
- Saved the company 3% cost

Projects

Relationship between individuals who do drugs and infected with HIV from 2010 to 2016   *Hamilton, CA*

Columbia International College   *May 2019 - Jun 2019*
- Conducted the correlation analysis by applying different statistical method (i.e. hypothesis test, linear regression)
- Highly collaborated and contributed to the presentation. Received 96/100

Puzzle Solver and Generalizer   *Toronto, CA*

University of Toronto   *Mar 2021 - Mar 2021*
- Build basic puzzle classes by baisc oop design concept and use bfs/dfs algorithm to solve such as sudoku, word finder
- Use tkinter to build GUI and generalize game. Received 100/100

Pokémon-like Word game   *Toronto, CA*

University of Toronto   *Nov 2021 - Dec 2021*
- Clean architecture design, and all classes are keeped in SOLID principles
- Use variety of design patterns make program small, clean and easy understand. Graded 85/100

Linear Regrerssion Model on Gamer Statistics   *Toronto, CA*

University of Toronto   *Feb 2022 - Mar 2022*
- Literature review and EDA(Exploratory Data Analysis) to clean data from Kaggle
- Use variety statistical methods(t-statistics, f-statistics and ANOVA, residual plots, transformation, etc.)
- Summaries and interpret the problematic observations and model, and present the model. Graded 80/100

Web Sever   *Toronto, CA*

University of Toronto   *Mar 2022 - Apr 2022*
- Establish server that allow serveral clients communicate with over sockets.
- Use select, pipe and other system call by C implement simultaneous communication with Linux Kernel. Graded 95/100

Wordpress Blog   *Toronto, CA*

Personal   *Jan 2022 - Present*
- Deploy web blog page on clound server with LAMP environment.
- Use Wordpress framework, customize theme and plugins by CSS. Has thousands of hits

React Web - Course Notes, see https://note.yorafa.com   *Toronto, CA*

Personal   *Feb 2022 - Present*
- Use React framework with mui desgin render posts in markdown files, deploy static web page generated by Github Action on Github.
- Frequently used by me and some of my classmates.

React Web - UTLeetcoder, see https://coder.xfttech.org/   *Toronto, CA*

Group Project   *Dec 2022 - Present*
- Use axios and Leetcoder api catch registers statistics, and React framework with antd desgin render users statistics
- Use Github Action build static web page and deploy on Github
- Over 30 users use this website to track their statistics

Django REST API - UTodo, see https://github.com/XFTTech/UTodo   *Toronto, CA*

Group Project   *Jan 2023 - Present*
- Use Django framework and Django REST framework to build a REST API server
- Use Heroku deploy the server and use SQLite as database

Skills

Programming	C/C++ (STL), Javascript/Typescript(React), Java, Python(Django, Django REST), R(tidyverse, glmnet, ISLR, etc.), HTML/CSS
Miscellaneous	Shell (Bash), LaTeX(Overleaf/Markdown/R Markdown), Microsoft Office, Git, etc.
Soft Skills	Teamwork, Problem-solving, Documentation, Self-learning, etc.
Develop Tools	Vscode, Vim/Neovim, Intellij, Pycharm, R-Studio
Data Structure	Graph, BST, AVL Tree, Hash, Segement Tree, Binary Index Tree, etc.

Achievements

2023	**Leetcode Knight,** Top 5.06% of site, see profile https://leetcode.com/Yorafa/