Tianle Wang

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Personal Profile

A undergraduate student at the University of Toronto, undertaking the Mathematics, Statistics and Computer Science course. Enthusiastic about software engineering. With experience specialising in python/java development, algorithms and data structure. Use C++ for some competative programmings. Primarily looking for Software Engineer/Software Developer/Data Engineer/Data Scientist/Machine Learning Engineer roles.

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	Time Management, 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.

Education

University of Toronto   *Toronto, CA*
HBSc in Mathematics, Statistics and Computer Science   *Sept 2020 - Sept 2023*

- **Courses:** Introduction to Real Analysis and Complex Analysis, Group Theory, Data Science, Programming for Data Science, Statistical Theory and Methods, Learning Skills through Case Studies, Object-oriented programming, System Programming, Introduction to Algorithm

Work Experience

Shanghai Yuliang Packaging and Printing Co., Ltd   *Shanghai, China*
                                                                                    Jun 2019 - Sept 2019, Jun 2020 - Sept 2020
Data Manager

- Organize the productions and manage partial of raw materials

Projects

Pokémon-like Word game   *Toronto, CA*
University of Toronto   *Nov 2021 - Dec 2021*

- Clean architecture design, and all classes are kept in SOLID principles
- Use variety of design patterns make program small, clean and easy understand. High Distinction graded

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, full mark graded

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

Achievements

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