

Zeyong Jin



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<https://www.zeyongjin.net/>

TECHNICAL SKILLS

- **Programming Language:** C, C++, Java, Python, MATLAB, Assembly, R
- **Development Tool:** Microsoft Visual Studio, IntelliJ IDEA, Android Studio, PyCharm, R Studio, Shell
- **Database:** Microsoft SQL Server 2018
- **Operating System:** Linux (Ubuntu), Windows
- **Version Control Tool:** GitLab, GitHub
- **User Interface Design Tool:** Balsamiq, Figma

TRANSFERABLE SKILLS

- **Strong Execution Ability:** Able to translate strategy and ideas into execution
- **Communication and Teamwork Skills:** Convince students from different countries in a group
- **Time Management Ability:** Finish assigned work on time via making prioritization and planning
- **Endless Curiosity:** Welcome and eager to learn new knowledge and develop new skills
- **Language Ability:** Fluent in both English and Mandarin

TECHNICAL PROJECTS EXPERIENCE



Prompt-based Text Matching Methods for Fake News Stance Detection  **Oct – Dec 2021**



Computational Linguistics (CMPT 413), SFU

- Used the BERT pre-training model to implement the classifier of stance detection related to fake news recognition.
- Obtained an accuracy of 90.37%.
- Coded in Python language and used Google Colab as the development platform.
- Presentation available: <https://www.zeyongjin.net/post/project-003-nlp-prompt-based-text-matching-methods-for-fake-news-stance-detection>.



Analysis of OSM, Photos, and Tours



May – Aug 2021



Computational Data Science (CMPT 353), SFU

- Developed a program to visualize the distribution and density of restaurants in Greater Vancouver.
- Created a feature for searching a hotel in Greater Vancouver and finding nearby amenities.
- Discovered the relationship between restaurants and population as well as amenities in Greater Vancouver.
- Coded in Python language and data is collected from the OpenStreetMap project as well as Wikipedia.



COVID-19 Patient Outcome Prediction



Jan – Apr 2021



Special Topics in Database Systems – ST: Data Mining (CMPT 459), SFU

- Developed a program to predict the most possible outcome, namely recovered, hospitalized and non-hospitalized of a COVID-19 patient.
- Showed visualizations, such as a heat map of confirmed cases over the world, and statistics for all attributes of datasets.
- Built, evaluated, and proceeded parameter tuning on classifiers of LightGBM, SVM and MLP.
- Coded in Python language and used Google Colab as the development platform.

INDEPENDENT PROJECT EXPERIENCE



Countdown Timer Application



Oct – Dec 2020

- Created an Android application to make users set up a countdown timer as they want, and the user could directly see how much time is left by the number on the screen.
- Managed the timer so when it comes to an end the user would receive a notification with an alarm.
- Coded in Java, using Android Studio as the integrated development environment.
- GitHub: <https://github.com/zeyongj/Count-Down-Timer-Tutorial>.

OTHER WORK EXPERIENCE



Teaching Assistant



Sep - Dec 2021



School of Computing Sciences, Simon Fraser University, Burnaby, BC

- Helped instructors mark homework and exams using the platform of Canvas and provided feedback to both instructors and students on time.
- Answered students' questions about grading properly and finished the assigned work on time.
- Helped students who had difficulties in coding and course materials.



Teaching Assistant



Jan - Apr 2021



Department of Statistics, Simon Fraser University, Burnaby, BC

- Helped instructors mark homework and exams using the platform of Crowdmark and provided feedback to both instructors and students on time.
- Answered students' questions about grading properly and finished the assigned work on time.
- Used communication skills to have a discussion with students who have concerns about the grades.

EDUCATION



Simon Fraser University, Burnaby, BC



Sep 2018 – Apr 2022



Bachelor of Science (with Distinction): Major in Computing Science and Minor in Mathematics

- **CGPA:** 3.62
- **Concentration:** Information Systems



Fraser International College, Burnaby, BC



May 2017 – Apr 2018



UTP Stage II: Science

- **CGPA:** 3.92
- **Honour:** Dean's Honour Roll of 2017 Summer Term

INTERESTS

- Developing the connection between computer science and mathematics.
- Making my applications.

