

WENJIE TU

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Education

University of Zurich

Sep. 2020 – Present

Master of Arts UZH Business and Economics

Zurich, Switzerland

- Major: Economics | Minor: Data Science
- Coursework: Foundations of Data Science, Empirical Methods, Advanced Statistics, Big Data Methods for Economists, Program Evaluation and Causal Inference, Time Series Analysis, Computational Statistics

Jiangxi University of Finance and Economics

Sep. 2016 – Jul. 2020

Bachelor of Business Administration

Nanchang, China

- Major: Accounting (Certified Public Accountants track)
- Weighted Average Score: 91.45/100 (ranking: 10/268)
- Awards (merit-based): CSC Scholarship (2018), Model Student Scholarship (2019), RSM Scholarship (2019)

University of Essex

Oct. 2018 – Jul. 2019

Study Abroad Program (funded by CSC)

Colchester, UK

- Major: Business and Economics
- Grade: First Class

Experience

Department of Informatics

Sep. 2021 – Present

Tutor

Zurich, Switzerland

- Work as a tutor for the course Foundations of Data Science.
- Assist in preparing the videos for lectures and exercise sessions.
- Answer questions from students on both practical projects and exercise sheets.
- Assist in grading the practical projects and final exam.

Bank of Communications

Jul. 2019 – Aug. 2019

Summer Intern

Nanchang, China

- Dealt with the customers and their complaints in a timely manner by knowing all of the bank's policy issues and procedures.
- Assisted in making sure that the daily work to be done not only finishes on time but runs smoothly.
- Promoted bank's financial products and provided customers with some advice on financial products.

Projects

Impact of Euthanasia on Suicide Rates among Elderly

Apr. 2021 – Jun. 2021

- Extracted data from European Statistics Database and processed data for further analysis.
- Applied *Generalized Synthetic Control* (GSC) method to the project.
- Evaluated and interpreted the results estimated by GSC.

Housing Rent Prediction | *Big Data Methods for Economists*

Mar. 2021 – Apr. 2021

- Applied different feature engineering techniques to data preprocessing procedure.
- Explored different machine learning algorithms in predicting rents in Switzerland.
- Utilized many empirically-derived rules of thumb for hyperparameter tuning.
- Achieved an R-squared score of 0.723 which ranks 4th among 13 groups.

Image Recognition with Deep Neural Networks | *Foundations of Data Science*

Dec. 2020 – Jan. 2021

- Built a deep neural network with Tensorflow in Colab; configured the structure of the neural network; visualized the training process for fine-tuning hyperparameters; achieved 98.6% accuracy on MNIST dataset.
- Built trainable layers on top of pre-trained model by using transfer learning techniques; customized the base model to the given task by unfreezing layers from bottom to top; explored many different methods and techniques (initialization functions, activation functions, batch normalization, dropout, early stopping) to address vanishing gradients and overfitting; achieved 84.4% on CIFAR-10 dataset.

Technical Skills

Languages: Python, R, LaTeX, HTML, SQL

Developer Tools: VS Code, Jupyter Lab, R Studio, MySQL, Colab, Typora, Overleaf

Extracurricular

Friends International

Nov. 2018 – Jun. 2019

Coordinator of Communications

Colchester, UK

- Served as a liaison between the organization and international students.
- Promoted communications and interactions among 60 members through hosting recreational events.