

## PERSONAL INFORMATION

**Xufeng Zhang** Lugano, Switzerland +39 3475354370 [zhangxf16@zju.edu.cn](mailto:zhangxf16@zju.edu.cn)

## EDUCATION AND TRAINING

**2021–2023 Master Degree in Data Science**

Sapienza University of Rome, Italy

**2016–2021 Bachelor Degree in Macromolecules Materials and Engineering**

Zhejiang University, China

**2016–2021 Bachelor Degree in Economics (Double Degree)**

Zhejiang University, China

- Advanced Microeconomics/ Advanced Macroeconomics/ Advanced Econometrics
- Optimization Theory and Methods/ Stochastic Processes
- Time Series Analysis/ Statistical Analysis Software

## SUMMER SCHOOL AND EXCHANGE PROGRAM

**2022 Erasmus Exchange Università della Svizzera italiana**

- Analysis of Social Networks/ Information Retrieval
- Machine Learning/ Advanced Topics in Machine Learning
- Financial Econometrics/ Bioinformatics

**2022 Civis Online Program University of Bucharest**

Reinforcement Learning (6 ECTS)

**2021 Summer School University of Jyväskylä**

Stochastic Optimization &amp; Multicriteria Optimization (7 ECTS)

**2021 Spring Exchange Osaka University**

Intelligence and Learning (2 Credits)

**2020 Summer School National Yang-Ming University**

Biotechnology and Drug Discovery Program (2 Credits)

## RESEARCH PROJECT

**July 2022 – Now Online Caching Optimization**

Inria Sophia Antipolis, Internship &amp; Master thesis

- Replicated the existing online cache algorithm, such as LRU, LFU, online gradient.
- Use the OFTRL algorithm to optimize the cache in batched requests.

**July 2022 Driving Business Decisions through AI**

Poste Italiane, training Camp

- Collected and cleaned the data provided, used LSTM and Dense to predict and compared results with non-neural network method.
- Derived the identification of commercial offer in energy using random forest, and ensure consilience of sustainability and consumption demand.

#### Nov 2020 – May 2021 The Impact of Land Finance on Government Policy

Bachelor thesis, Economics

- Analyzed the factors affecting urban land price, and used GMM to analyze the impact of urban land price differences on government finances in Chinese cities.
- Analyzed the intensity of land policies in areas with different development levels in China and gave the final results.

#### Mar 2020 – Sept 2020 Photothermal Effect of Polypropylene Membrane on Desalination

Bachelor thesis, Macromolecules Materials and Engineering

- Did hydrophilic and hydrophobic modification for the inner and outer surfaces of polypropylene hollow fiber membranes.
- Prepared a seawater desalination device by using hollow fiber membranes.

#### May 2018 – May 2019 Preparation and Modification of ABS/PET Alloy

Research project, department level

- Through our self-synthesized compatibilizer ABS-g-AA, we improved the compatibilization effect and impact resistance.
- We explored the effect of Surlyn on alloy compatibility and found out the optimal addition amount.

### WORK EXPERIENCE

#### Sept 2021 – Dec 2021 Lundbeck (Internship)

Assisted in organizing distributors meeting at the Danish Embassy in China.  
Analyzed past sales data using clustering methods to explore the correlation.  
Created python program to automate data processing.

#### Dec 2019 – Mar 2020 Shengang Securities (Internship)

Built and updated the basic database of oil and gas industry with *Wind*  
Analyzed the development trend of the semiconductor industry and wrote related research reports  
Participated in the presentation meeting of listed companies, organized and analyzed the content of the meeting.

### AWARDS

#### Aug 2019 Third prize, Huawei Big Data Training Camp

I processed and analyzed the data of financial credit, and used the decision tree algorithm to predict the default of personnel. Finally, I used Huawei Cloud for data visualization.

#### Apr 2020 Honorable Mention, 2020 Interdisciplinary Contest in Modeling

We used different models and methods to analyze and predict global microplastic pollution, such as gray-forecasting model, Entropy Method.

### PERSONAL SKILLS

**Language** Chinese: Mother tongue, English: B2, French: A1, Italian: A1

**Programming Skills** Python, R, C

**Software & tools** Stata, LaTeX, Photoshop, Indesign