

# Jingwei Ni

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🌐 EdisonNi-hku

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## EDUCATION

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### ETH Zurich

*PhD in Natural Language Processing*

**Zurich**

*Mar 2023 - Present*

### University College London

*MSc in Data Science and Machine Learning, Degree: Distinction*

**London**

*Sept 2021 - Sept 2022*

### University of Hong Kong

*BEng in Computer Science GPA: 3.72/4.3, Degree: 1st Class Honours*

**Hong Kong**

*Sept 2017 - June 2021*

- Prizes and Awards: Dean's Honors List of HKU (2017-2018, 2018-2019), Reaching Out Award under the HKSAR Government Scholarship Fund (2018-2019)
- C.V. Starr Scholarships (2019-2020)

### University of Toronto

*Exchange Program GPA: 3.85/4.0*

**Toronto**

*Jan 2020 - May 2020*

- Developed demos of Web front-end with React-Redux for Toronto start-ups
- Programmed GAC model and Bayesian Network with Python

### University of California, Berkeley

*Summer Program GPA: 3.4/4.0*

**Berkeley, CA**

*Jun 2018 - Aug 2018*

- Developed projects like Gitlet and BearMap

## PUBLICATION

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- **Jingwei Ni\***, Zhijing Jin\*, Markus Freitag, Mrinmaya Sachan, and Bernhard Schoelkopf (2022). Original or Translated? A Causal Analysis of the Impact of Translationese on Machine Translation Performance. NAACL 2022 main conference accepted.
- Zhijing Jin\*, Julius von Kügelgen\*, **Jingwei Ni**, Tejas Vaidhya, Ayush Kaushal, Mrinmaya Sachan, and Bernhard Schoelkopf (2021). Causal Direction in Data Matters: Implications of Causal and Anticausal Learning in NLP. EMNLP 2021 main conference accepted.
- Chaozhi Chen, Yachun Gao, **Jingwei Ni** (2020). Financial Time Series Prediction Model Based Recurrent Neural Network. The 17th International Computer Conference on Wavelet Active Media Technology and Information Processing, Chengdu, China.

## RESEARCH EXPERIENCE

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### ETH Zürich NLP group

*Summer Research Internship*

**Remote**

*June 2021 - present*

- Leading a project to explore the causality between translationese and machine translation performance, plan to submit to ACL 2022.
- Doing extensive research regarding NLP + Finance, co-supervised by Prof. Mrinmaya Sacha and Prof. Markus Leippold.

### Max Planck Institute

*Research Assistant*

**Remote**

*Oct 2020 - present*

- Contributed to the project: Causal and Anticausal Learning in NLP, [the paper](#) published at EMNLP 2021 oral
- Engineering and designing contributions to other NLP and causal inference projects

## Big Data Research Center in University of Electronic Science and Technology of China

Research Internship

July 2020 – Nov 2020

- Researched literature in the field of financial timing prediction to design neural network architecture; replicated models and performed experiments with Yahoo financial data; published [a paper](#) regarding financial time series prediction model
- Experiments about multi-variable prediction of stock prices on the network architecture designed by our team

## University of Hong Kong

Research Assistant

Oct 2019 – Nov 2019

- Studied source code and implementation principle of Apache Storm to realize combination of Storm and Uranus
- Modified Storm source code and utilizes Uranus JDK to test and run Storm
- Deployed Storm cluster and debug physical machine and docker respectively

## INTERNSHIP EXPERIENCE

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### AsiaInfo Technologies (China), Inc.

Chengdu, China

Data Mining Engineer

May 2020 - Sept 2020

- Participated in optimization of recommendation model for 5G tariff terminal and establishment of information mining model for Beijing office building
- Completed television VIP potential customer identification model independently
- Adopted Python libraries such as pandas and sklearn for modelling of China Mobile customers

### iFLY TEK Co., Ltd

Hefei, China

Software Engineer Intern

June 2019 – Sept 2019

- Joined in the development and rapid iteration of the software Smart Medical Assistant (a Spring Cloud project)

## SKILLS

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- Machine Learning: Sklearn
- Deep Learning: Pytorch, Fairseq
- Data processing/visualization: pandas/numpy/seaborn
- Other engineering skills: Operating System: Linux; Programming Languages: Python, C, C++, JavaScript, Java; Web Crawler: Scrapy; Front-end frameworks: React

## ADDITIONALS

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- NGO leader, *BTP (Beyond the Pivot)*, HKU Oct 2017 - Oct 2019
- Director and Photographer, *Amour Movie Studio*, HKU Sept 2018 - Sept 2019