

# Hongyu Chen

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email address

## Education

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<b>University of Stuttgart</b> <i>Doctor Degree of Philosophy in Natural Language Processing</i>	02.2023 – Present Stuttgart, Germany
<b>Linköping University</b> <i>Master of Science in Computational Social Science</i>	08.2020 – 06.2022 Linköping, Sweden
<b>Jilin International Studies University</b> <i>Bachelor of Arts in Business English</i>	08.2014 – 06.2018 Changchun, China

## Research Experience

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<b>Research Assistant</b> <i>Tsinghua University</i> <ul style="list-style-type: none"><li>assist in collecting and analyzing data on digital society &amp; digital government</li><li>book translation</li></ul>	07.2022, - 03.2023 Beijing, China
<b>Research Assistant(remotely)</b> <i>Research Group on the Constitutional Movement in the Late Qing Dynasty in China</i> <ul style="list-style-type: none"><li>assist in pre-sorting the digitalized historical newspapers</li><li>test different OCR solutions for recognizing vertical traditional Chinese characters in these newspapers</li></ul>	2021.11 – 2022.01 Wisconsin-Madison, U.S

## Teaching Experience

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<b>Teaching Assistant(remotely)</b> <i>JNC Summer School (Jinan University)</i> <ul style="list-style-type: none"><li>host labs and giving lectures in the course Introduction to Programming</li><li>review and grade assignments and giving feedback to students on their submission</li></ul>	2022.02 – 2022.06 Guangzhou, China
<b>Teaching Assistant</b> <i>Jilin International Studies University</i> <ul style="list-style-type: none"><li>review and grade assignments of students on their submission</li></ul>	2014.09 – 2015.02 Changchun, China

## Awards & Honors

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<b>Excellent Graduation Thesis of JISU</b> <i>Jilin International Studies University</i>	2018 year(s)
<b>National Scholarship</b> <i>Jilin International Studies University</i>	2017 year(s)
<b>National Grant</b> <i>Jilin International Studies University</i>	2017 year(s)
<b>Single Award scholarship of Jilin Provincial Discipline Competition</b> <i>Jilin International Studies University</i>	2016 year(s)
<b>National Encouragement Scholarship</b> <i>Jilin International Studies University</i>	2015 year(s)
<b>National Grant</b> <i>Jilin International Studies University</i>	2015 year(s)

## *Working Paper*

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- **What Can Go Wrong in Authorship Profiling for Demographic Prediction: A Systematic Error Analysis of Model Exclusion**

- **Historical Decisions in Texts: The Literary Taste of the Nobel Committee for Literature Prize**

Explore the literary taste of the Nobel Committee for literature prize by mining expert reports used in the Prize recommendation process through word embeddings and deep neural networks

## *Projects & Essays*

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**06.2023 – Master Thesis Project: Nation and Language in Texts: The Cultural Consecration in the Committee’s Historical Recommendation for Nobel Prize in Literature (1901-1969)**

\* Use Natural language Processing and Machine Learning methods to analyze a large corpus of digitalized records from the Nobel Archive of the Swedish Academy

**01.2022 – Algorithmic Bias in Facial Processing Technology**

\* A literature review of the ethical concerns around the application of Facial Processing Technologies

**10.2021 – A Comparative Analysis using Structural Topic Modeling: The News Coverage on the 2019 Hong Kong Protests on Global News Media**

\* Compare how the global news outlets interpreted the 2019 Hong Kong protests by using a Structural Topic Modelling to analyze 515 news articles (scraped from the each of news website using R)

**07.2019 – Discover the hottest topics in machine learning**

\* Use Natural Languages Processing and LDA topic modeling to analyze research papers appearing at the Neural Information Processing Systems over the past decade

**05.2019 – Toronto Neighborhoods Exploring and Restaurant Clustering (Capstone Project in IBM’s data science professional certificate program)**

\* Use the Google map API and Foursquare API obtain center addresses data and the corresponding information in Toronto, and to run K-means to cluster Toronto neighborhoods exploring the best location to open a restaurant

## *Other Skills*

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**Human Languages:** Chinese (Native Speaker), English (Full Professional Frequency)

**Programming Languages:** R; Python