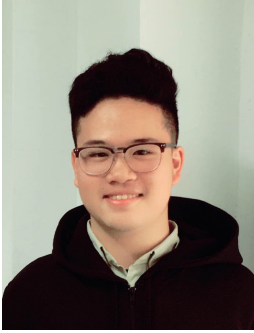


# JESSE CHIEH CHEN 陳捷

## PERSONAL INFORMATION



Surname	Chen 陳
First Name	Chieh 捷
Preferred First Name	Jesse
Birth Date	1999/02/10
Place of Birth	Taipei, Taiwan
Gender	Male
Nationality	Taiwanese
Marital Status	Single
Mailing Address	2F., No.3, Aly.15, Ln.89, Sec.1, Muzha Rd., Taipei 116002, Taiwan
E-mail	r11323013@ntu.edu.tw or jcc@jessekelighine.com
Personal Website	<a href="http://jessekelighine.com">jessekelighine.com</a>
Mobile Number	+886 930884259

## SCHOOL EDUCATION

Sep 2005 — Jun 2011	• Elementary School: Private ZhongShan Elementary School	Taipei, Taiwan
Sep 2011 — Jun 2014	• Middle School: Taipei Municipal Zhongzheng Junior High School	Taipei, Taiwan
Sep 2014 — Jun 2017	• High School: <a href="#">Taipei Municipal Jianguo High School</a>	Taipei, Taiwan

## STUDIES

Sep 2018 — Jun 2022	<ul style="list-style-type: none"><li>• <b>National Taiwan University:</b> BA in Economics, Minor in Mathematics Taipei, Taiwan<ul style="list-style-type: none"><li>– GPA: 4.08/4.3</li><li>– CLASS RANK: 12/144 (four times Dean's list award, top 5%)</li><li>– THESIS: <a href="#">Generalized Nonlinear Least Square for Spatial Autoregressive Model</a></li><li>– Note: I was accepted to NTU in 2017, but I chose to take a gap year and enrolled later in 2018.</li></ul></li></ul>
Sep 2022 — Present	<ul style="list-style-type: none"><li>• <b>National Taiwan University:</b> MA in Economics Taipei, Taiwan<ul style="list-style-type: none"><li>– GPA: 4.27/4.3 (current)</li><li>– CLASS RANK: 1/45 (current)</li><li>– EXPECTED TIME OF GRADUATION: June 2024</li><li>– THESIS: <a href="#">A Bayesian Approach to the Problem of Unknown Network</a> (working in progress)</li></ul></li></ul>

## RESEARCH POSITIONS

Jan 2021 — July 2023	<ul style="list-style-type: none"><li>• <b>Research Assistant to Prof. Ming-Jen Lin</b> Dept. of Economics, National Taiwan University<ul style="list-style-type: none"><li>– Worked under the project with doctoral candidate Harrison Chang: <a href="#">Estimating Intergenerational Health Transmission in Taiwan with Administrative Health Records</a>.</li><li>– Merged and processed 20 years of population household registry, medical records and health insurance data in Taiwan (2.25 TB of raw data) in R.</li><li>– Constructed family trees and classified populations characteristics, e.g., malady categories, social-economical strata, occupation types, marital statuses.</li><li>– Performed statistical tests and improved inference workflow in Stata and R.</li></ul></li></ul>
Jul 2021 — Present	<ul style="list-style-type: none"><li>• <b>Research Assistant to Prof. Hon-Ho Kwok</b> Dept. of Economics, National Taiwan University<ul style="list-style-type: none"><li>– Worked with problems related to <i>Spatial Autoregressive (SAR)</i> models.</li><li>– Implemented and developed a least squares type estimator in Matlab to estimated unknown matrices/network that is easily extendable to common high dimensional methods.</li><li>– Discussed and developed model averaging methods for spatial economic models.</li><li>– Created and compiled lecture notes for graduate level econometrics course.</li><li>– This work experience gave rise to my undergrad thesis <a href="#">Generalized Nonlinear Least Square for Spatial Autoregressive Model</a>.</li></ul></li></ul>

## INTERNSHIPS & WORK EXPERIENCES

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- |                     |   |
|---------------------|---|
| Jan 2019 — May 2019 | <ul style="list-style-type: none"><li>• <b>Designed Educational Pamphlet for High Schoolers for Ministry of Education</b> Taiwan<ul style="list-style-type: none"><li>– Designed the educational pamphlet “<i>18 Years Old, Cast Your First Vote!</i>” (in Mandarin) for <i>Taiwan Youth Association for Democracy</i> and <i>K-12 Education Administration, Ministry of Education</i>.</li></ul></li></ul>   |
| Jul 2020 — Dec 2020 | <ul style="list-style-type: none"><li>• <b>Intern at Chung-Hua Institute of Economic Research (CIER)</b> Taiwan<ul style="list-style-type: none"><li>– Translated and edited technical reports for <i>Link and Loop</i> initiative.</li><li>– Visualized data and edited for <i>RE100 renewable energy market report for Taiwan</i>.</li></ul></li></ul>  |
| Mar 2021 — Jul 2021 | <ul style="list-style-type: none"><li>• <b>Intern at Numeracy Lab</b> Taiwan<ul style="list-style-type: none"><li>– Numeracy Lab is a Taiwanese firm devoted to popularizing maths education. I developed and refined ideas as an intern, culminating in the creations of two writings of popular maths: <i>Fair Division: The Thousand-Year Puzzle of Talmud</i> and <i>Can you beat the Oxford Entrance Exam?</i> (both in Mandarin).</li></ul></li></ul> |

## OTHER EXPERIENCES

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|---------------------|---|
| Sep 2014 — Aug 2015 | <ul style="list-style-type: none"><li>• <b>Member of CK Marching Band</b> Taipei, Taiwan &amp; USA<ul style="list-style-type: none"><li>Competed in international division of Drum Corp International and won 3<sup>rd</sup> place in 2015.</li></ul></li></ul>   |
| Oct 2015 — May 2016 | <ul style="list-style-type: none"><li>• <b>Chief Graphic Designer for School Magazine “CK Potpourri”</b> Taipei, Taiwan<ul style="list-style-type: none"><li>Designed the 143<sup>rd</sup> issue of CK Potpourri, the school magazine.</li></ul></li></ul>  |
| Sep 2017 — Jun 2018 | <ul style="list-style-type: none"><li>• <b>Gap Year in China</b> China<ul style="list-style-type: none"><li>Took a gap year after graduating high school traveling in China.</li></ul></li></ul>  |
| Sep 2018 — Jun 2019 | <ul style="list-style-type: none"><li>• <b>Member of Student Association at National Taiwan University</b> Taipei, Taiwan<ul style="list-style-type: none"><li>Member of Ministry of Student Welfare under the Student Association.</li></ul></li></ul>   |
| Aug 2019            | <ul style="list-style-type: none"><li>• <b>Language Course at Ruprecht-Karls-Universität Heidelberg</b> Heidelberg, Germany<ul style="list-style-type: none"><li>Earned credits by attending the <i>Ferienkurs</i> during Summer vacation in Heidelberg.</li></ul></li></ul>  |
| (2020)              | <ul style="list-style-type: none"><li>• <b>Exchange Student at University of Edinburgh</b> Edinburgh, Scotland UK<ul style="list-style-type: none"><li>Selected for exchange programme to University of Edinburgh (suspended due to COVID-19).</li></ul></li></ul>  |
| Sep 2022 — Dec 2022 | <ul style="list-style-type: none"><li>• <b>Private Tutor of Microeconomics Theory (Graduate Level)</b> Taipei, Taiwan<ul style="list-style-type: none"><li>Privately tutored microeconomics theory: utility/preference theory (<i>notes</i>) and game theory (<i>notes</i>).</li></ul></li></ul>                                |
| Jun 2023            | <ul style="list-style-type: none"><li>• <b>Workshop “Tools not Taught”</b> Taipei, Taiwan<ul style="list-style-type: none"><li>Imitated a workshop <i>Tools not Taught</i> with a friend to introduce to <math>\LaTeX</math> and R to first and second year econ students. I am responsible for the R part.</li></ul></li></ul> |
| Jul 2023 — Oct 2023 | <ul style="list-style-type: none"><li>• <b>Conscription</b> Hsinchu, Taiwan<ul style="list-style-type: none"><li>Served in 584 Armor Brigade as rifleman in Hsinchu, Taiwan.</li></ul></li></ul>  |

## SKILLS: LANGUAGES & PROGRAMMING

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### Languages

- |                                 |                        |
|---------------------------------|------------------------|
| • <b>Mandarin (Traditional)</b> | Native                 |
| • <b>English</b>                | Fluent                 |
| • <b>German</b>                 | B2, Upper Intermediate |

### Programming Languages

- R (and Rcpp), Bash, Matlab, Python, Stata,  $\LaTeX$
- Experience with *Statistical Simulations* and *Data Cleansing and Analysis*.

Friday 23<sup>rd</sup> February, 2024

Jesse Chieh Chen 陳捷

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