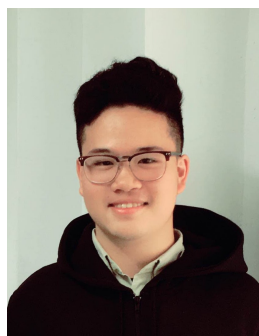


## PERSONAL INFORMATION

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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

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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

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Sep 2018 — Jun 2022	<ul style="list-style-type: none"> <li>• NATIONAL TAIWAN UNIVERSITY: 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>• NATIONAL TAIWAN UNIVERSITY: 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 (working in progress)</a></li> </ul> </li> </ul>

## RESEARCH POSITIONS

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Jan 2021 — July 2023	<ul style="list-style-type: none"> <li>• RESEARCH ASSISTANT TO <a href="#">PROF. MING-JEN LIN</a> 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>• RESEARCH ASSISTANT TO <a href="#">PROF. HON-HO KWOK</a> 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 • DESIGNED EDUCATIONAL PAMPHLET FOR HIGH SCHOOLERS FOR MINISTRY OF EDUCATION Taiwan  
– Designed the educational pamphlet “18 Years Old, Cast Your First Vote!” (in Mandarin) for *Taiwan Youth Association for Democracy* and *K-12 Education Administration, Ministry of Education*.
- Jul 2020 — Dec 2020 • INTERN AT CHUNG-HUA INSTITUTE OF ECONOMIC RESEARCH (CIER) Taiwan  
– Translated and edited technical reports for *Link and Loop* initiative.  
– Visualized data and edited for *REioo renewable energy market report for Taiwan*.
- Mar 2021 — Jul 2021 • INTERN AT NUMERACY LAB Taiwan  
– 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: *Fair Division: The Thousand-Year Puzzle of Talmud* and *Can you beat the Oxford Entrance Exam?* (both in Mandarin).

## OTHER EXPERIENCES

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- Sep 2014 — Aug 2015 • MEMBER OF CK MARCHING BAND Taipei, Taiwan & USA  
Competed in international division of Drum Corp International and won 3<sup>rd</sup> place in 2015.
- Oct 2015 — May 2016 • CHIEF GRAPHIC DESIGNER FOR SCHOOL MAGAZINE “CK POTPOURRI” Taipei, Taiwan  
Designed the 143<sup>rd</sup> issue of CK Potpourri, the school magazine.
- Sep 2018 — Jun 2019 • MEMBER OF STUDENT ASSOCIATION AT NATIONAL TAIWAN UNIVERSITY Taipei, Taiwan  
Member of Ministry of Student Welfare under the Student Association.
- Aug 2019 • LANGUAGE COURSE AT RUPRECHT-KARLS-UNIVERSITÄT HEIDELBERG Heidelberg, Germany  
Earned credits by attending the *Ferienkurs* during Summer vacation in Heidelberg.
- (2020) • EXCHANGE STUDENT AT UNIVERSITY OF EDINBURGH Edinburgh, Scotland UK  
Selected for exchange programme to University of Edinburgh (suspended due to COVID-19).
- Sep 2022 — Dec 2022 • PRIVATE TUTOR OF MICROECONOMICS THEORY (GRADUATE LEVEL) Taipei, Taiwan  
Privately tutored microeconomics theory: utility/preference theory (notes) and game theory (notes).
- Jun 2023 • WORKSHOP “TOOLS NOT TAUGHT” Taipei, Taiwan  
Imitated a workshop *Tools not Taught* with a friend to introduce to  $\LaTeX$  and R to first and second year econ students. I am responsible for the R part.
- Jul 2023 — Oct 2023 • CONSCRIPTION Hsinchu, Taiwan  
Served in 584 Armor Brigade as rifleman in Hsinchu, Taiwan.

## SKILLS: LANGUAGES & PROGRAMMING

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### LANGUAGES

- MANDARIN Native
- ENGLISH Fluent
- GERMAN B2, Upper Intermediate

### PROGRAMMING LANGUAGES

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

Tuesday 11<sup>th</sup> June, 2024

Jesse Chieh Chen 陳捷

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