

Karol Tolpa

LinkedIn profile

Address: New York University Abu Dhabi PO Box 129188

Email: karol.tolpa@nyu.edu

Mobile: +971508240085

EDUCATION

- **New York University Abu Dhabi** Abu Dhabi, UAE
• *Master of Science in Economics; GPA: 3.73* August 2021 - July 2022
Courses: Math 1/2, Macroeconomics 1/2, Microeconomics 1, Numerical Methods, Intro to Programming, Econometrics, Statistics
- **Harvard University** Cambridge, US
• *Visiting Summer Student, MATH S-328 Introduction to Mathematical Modeling* July 2023
Received a grant from NYU Abu Dhabi Professional Development Fund covering full tuition to pursue a summer full 4 credit module at Harvard University.
- **The University of Manchester** Manchester, UK
• *Bachelor of Arts in Economics; GPA: 4.0 (High First)* September 2018 - June 2021
Courses inc: Econometrics, Statistics, Mathematics, Advanced Macroeconomics, Advanced Econometrics, Advanced Microeconomics

SKILLS SUMMARY

- **Languages:** Python, MATLAB, R, LaTeX, English (bilingual), Polish (native), French (A1), Arabic (A1)
- **Platforms:** Linux, Windows, IOS, Overleaf, Microsoft Office, SPSS, STATA
- **Soft Skills:** Leadership, Writing, Public Speaking, Time Management, Creative Thinking, Teamwork, Conflict Resolution

EXPERIENCE

- **Social Science Academic Staff Representative - New York University Abu Dhabi** January 2023 - present
• *Represent the staff to senior leadership (Part-time)*
- **Assistant Instructor - New York University Abu Dhabi** August 2022 - present
• *Instructor and Researcher in Mathematical Economics (Full-time)*
- **Research Assistant - The University of Manchester** July 2020 - August 2020
• *Student Intern (Full-time)*
- **Econometrics PASS Leader and Coordinator - The University of Manchester** August 2020 - June 2021
• *Instructor (Part-time)*
- **Student Leader at CIP - The University of Manchester** August 2020 - June 2021
• *Researcher (Part-time)*
- **Student Representative at the SoSS - The University of Manchester** Sept 2019 - July 2020
• *Representative (Part-time)*
- **Office Assistant at the MP Maciej Maslowski Office - Rzeszow, PL** Sept 2020 - July 2021
• *Administrative Assistant (Full-time)*
- **Coffee Master at Starbucks - Manchester** April 2019 - Sept 2021
• *Barista (Part-time)*
- **Different hospitality agencies - Manchester** Sept 2018 - Sept 2019
• *Waiter/Kitchen Porter (Part-time)*
- **Culina Logistics - Bristol** July 2018 - Sept 2018
• *Warehouse operative (Full-time)*

PROJECTS

- **The Effects of Energy Price Increase on Economic Activity: a case for Europe:** Master research thesis undergone under the supervision of professor Etienne Wasmer. Research oriented project of the European Energy sector using general computable equilibrium model. Tools: Matlab, RStudio, Excel, LaTeX, Eurostat (July - 2022)
- **The long term implications of co-creation in education:** Two years old working paper, collaboration with researchers, (sent for publication) on the theory of implementing co-creation in the higher education using the simple overlapping generation model. Tools: LaTeX, Google Scholar (July 2020 - June 2022)
- **Can nuclear energy power the economic growth? The effect of nuclear and renewable energy production on economic growth in EEA countries; panel data modelling with augmented Cobb-Douglas production function.:** A year long undergraduate thesis exploring the relationship of energy and economic components which received a high first grade. Tools: RStudio, Excel, MS Word, World Bank Data, Eurostat (July 2020 - June 2022)
- **Different approaches to measuring cities' carbon footprints.:** A solo interdisciplinary research report published on the University Living Lab page done for the second year module at the University of Manchester on Sustainable Development Goals under United Nation guidance. Tools: RStudio, Excel, MS Word, World Bank Data, Eurostat (January 2020)
- **The energy outlook of Europe for the last decade, 2011-2020:** Creating an explanatory data project on energy sources in Europe for Mathematical Statistics and Probability module. Tools: Stata, RStudio, Excel, Overleaf, Eurostat (Dec 2021)

HONORS AND AWARDS

- Dean's Award for Achievement - July 2021
- Across the school years I have been awarded over 25 times with scholarships and bursaries from the City Mayor, Voivodeship Marshals, Local Councils and Deputy Teachers for outstanding learning performance and achievements in science. Graduating high school, I was awarded with 'Copernicus Diploma' that is given to the few graduates with the highest overall grades and prestigious achievements - 2010 - 2017

VOLUNTEER EXPERIENCE

- **International Project's Association Associate** Rzeszow, Poland
Hosted free, English-lead socio-cultural events called Open Cafe for local youth. *June - August 2017*
- **Events Organized for the Polish Society at The University of Manchester** Manchester, UK
Organized events, delivered workshops reaching over 100 Polish Students *Nov 2018 - June 2021*

PROFESSIONAL CERTIFICATES

- **Introduction to Data Science in Python** 2023
University of Michigan