

# KAROL TOLPA

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Saadyiat Island Abu Dhabi, New York University Abu Dhabi, PO Box 129188

## EDUCATION

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### Harvard University

July 2023

- Visiting Summer Student; GPA: 4.0
- MATH S-328 Introduction to Mathematical Modeling

### New York University Abu Dhabi

August 2021 - July 2022

- Master of Science in Economics; GPA: 3.73
- Courses: Math, Macroeconomics, Microeconomics, Numerical Methods, Programming, Econometrics, Statistics

### The University of Manchester

September 2018 - June 2021

- Bachelor of Arts in Economics; GPA: 4.0 (High First), Dean's Award for Achievement
- Courses: Econometrics, Statistics, Mathematics, Advanced Macroeconomics, Advanced Microeconomics

## EXPERIENCE

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### New York University Abu Dhabi

Abu Dhabi, UAE

*Economics Academic Staff*

August 2022 - present

- assisting academic programs through instructional support and development, workshops, recitations, facilitating and managing (technical/scientific) equipment for teaching purposes, attending and facilitating lectures, grading
- supporting the program faculty's delivery of the curriculum; student consultations; and service to the university
- teaching courses in econometrics, economics growth, managerial economics, statistics and multivariable calculus
- supporting global education programmes with NYU's satellite campuses, involving supervision and curriculum creation

*Vice-Chair and Chair Academic Staff Committee*

January 2023 - present

- supporting and collaborating closely with the Chair to ensure the effective functioning of the committee
- assisting in the preparation of agendas for committee meetings, facilitating meetings and ensuring adherence to agendas
- communicating with other committees, departments and administrators, including university leadership, about different projects and proposals; represented the committee to a wider Staff Council as well as to the constituencies

*Chair Staff Council Inclusion Diversity Belonging Equity Committee*

September 2023 - August 2024

- upholding a working relationship between the Staff Council, the Office of Inclusion and Equity, and Inclusion Partners
- organizing events, trainings and discussions for staff around higher education leadership and DEI issues
- serving in an advisory capacity to university and departmental leadership, and the Office of Inclusion and Equity about existing or proposed changes to policies and procedures.

### The University of Manchester

Manchester, UK

*Research Assistant*

July - August 2020

- created a literature review and database that was used as a backbone for a working paper 'The long-term implications of co-creation in education' supervised by dr. Mario Pezzino (paper awaits publication in academic journal)

*Econometrics PASS Leader and Coordinator*

August 2020 - June 2021

- created an award-winning new peer-assisted study scheme for 300 econometrics students
- co-led and coordinated a team of 12 PASS leaders, liaising with external partners to offer teaching and technical skills training, worked closely with Economic Department faculty to facilitate econometrics lectures and tutorials

*Student Lead at Centre of Innovation in Pedagogy*

*November 2018 - June 2021*

- led a student research working group that collaborated with faculty and learning technologists at UoM
- helped to implement new learning methodologies at the university and presented the outcomes at annual conferences

**Office of MP Maciej Maslowski**

*Office Assistant*

Poland, Rzeszow

*September 2017 - June 2018*

- prepared press releases, interpolations, annual statistical reports, managed travel bookings and organized workshops

**Starbucks, Culina Logistics, Hospitality Agencies**

*Coffee Master, Waiter, Warehouse Operator, Kitchen Porter*

Manchester, UK

*July 2018 - August 2021*

## PROJECTS

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**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 a general computable equilibrium model. Tools: Matlab, RStudio, Excel, LaTex, Eurostat (July - 2022)

**The long term implications of co-creation in education:** Two years long 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:** An interdisciplinary research report published on the University Living Lab page done for the module at the University of Manchester on Sustainable Development Goals under United Nations 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 the Mathematical Statistics and Probability module. Tools: Stata, Excel, Overleaf (Dec 2021)

## PROFESSIONAL CERTIFICATIONS

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- Learning Python for Data Science - HarvardX
- MicroMasters Program in Statistics and Data Science - MITx
  - Statistics, Probability, Data Analysis, Machine Learning with Python, Capstone

## TECHNICAL SKILLS

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**Languages:** Python, LaTex, Excel, English (Bilingual), Polish (Native), Arabic (A1)

**Platforms:** Linux, Windows, IOS, Overleaf, Microsoft Office, SPSS, STATA, Google Scholar

**Soft Skills:** Leadership, Public Speaking, Time Management, Creative Thinking, Teamwork, Conflict Resolution

## VOLUNTEERING ACTIVITIES AND MEMBERSHIPS

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Polish Economic Network, International Project's Association Associate, Polish Society at University of Manchester, Student Representative School of Social Sciences UoM, Social Science Academic Staff Representative NYUAD