

SABA RANJBAR

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EDUCATION

Ph.D., Economics, Concordia University, Montreal, QC 2017– 2023

- Thesis: “Three Essays on the Economics of Education and Human Capital”

Master of Arts, Economics, Shahid Beheshti University, Tehran, Iran 2013 - 2016

Independent Student, Open studies, Sharif University of Technology, Tehran, Iran 2012 – 2013

Master of Science, Electrical Engineering, Illinois Institute of Technology, Chicago, IL

Bachelor of Science, Electrical Engineering, Sharif University of Technology, Tehran, Iran

EXPERIENCE

University of Alberta, Edmonton, Alberta, Canada 2024 - Present

Postdoctoral Fellow, 2024

- Member of the “Bridging Divides” research team. Studying the labour market outcomes of immigrants in Canada using different datasets (Census, LFS, BEAM, LAD and IMDB).
- I estimate the wage premia of different cohorts of immigrants compared to native-born Canadians and study the reasons behind the earnings gap, using econometric methods such as Seemingly Unrelated Regressions (SUR) to study the between and within occupation wage premia and Quantile regressions to study the wage premia across the wage distribution.
- I design a discrete choice dynamic model of immigrants’ decisions to invest in their human capital after landing in the host country or entering the labour market, and the type of careers they choose.

Concordia University, Montreal, Quebec, Canada 2017 - 2023

Lecturer, 2023

- Taught Canadian Economic Policy and Institutions to a class of 40 undergraduate students; Discussed current and ongoing issues in economic policy, such as Climate Change and Decreasing Income Inequality in Canada, as well as writing policy briefs.

Lecturer, 2021

- Taught Intermediate Microeconomics Theory I to a class of 45 undergraduate students.

Teaching Assistant, 2017 – 2023

- Solved and explained problems for students both online and in class for more than 10 graduate and undergraduate courses, including Industrial Organizations, Econometrics, Labour Economics, and Economics of Education.
- Graded exams and assignments.
- Taught data and econometric analysis using R to several classes of undergraduate students.

Niroom Research Institute (NRI)

2013 - 2014

Electrical Engineer

- Analyzed smart grid roadmaps and methodologies developed by more than 10 countries to create a strategic roadmap for Iran's national smart grid.
- Estimated the costs and benefits of an AMI (Advanced Metering Infrastructure) system for Greater Tehran Electrical Distribution Company. Gathered information from sources on prices, expenses, revenues, and profits and interviewed more than 5 experts in management levels.

Fundraiser

2010 - 2013

- Organized fundraisers for patients with kidney failure. Raised and paid for 12 patients, including 2 Afghan refugees' kidney transplant surgery and rehabilitation costs.
- Raised money to buy and donate dialysis machines to Shahid Hasheminejad Hospital.

Monenco Consulting Engineers

2009 - 2010

Electrical Engineer

- Supervised the implementation of Iran's national AMI system. Reviewed the international standards in this field, selecting 4 smart meters that met compliance standards.
- Studied the implementation of similar projects in 7 OECD countries and developed a timeline.
- Successfully managed 3 pilot projects with the chosen smart meters in different cities.
- Developed National Smart Metering program plans, coordinating 3 months of brainstorming sessions with experts to set achievable system implementation goals.
- Finalized the technical requirements of the system based on international standards.

Illinois Institute of Technology, Chicago, Illinois, USA

2006 - 2008

Research Assistant, Electric Drive Vehicle Lab, 2007 – 2008

- Worked on the digital control of electric motors for Hybrid vehicles.

Research Assistant, VLSI Lab, 2006 – 2007

- Worked on the design of an electronic flip-flop.

HONORS AND AWARDS

- **Graduate Fellowship**, Faculty of Arts and Sciences, Concordia University (2017)
- **International Tuition Remission Award**, Economic Department (2017)
- **Best Paper Award**, International Power System Conference (IPC) (Nov. 2013)

CONFERENCES

17th CIREQ Ph.D. Students' Conference, Montreal, Canada 2022

18th CIREQ Ph.D. Students' Conference, Montreal, Canada 2023

57th Annual Conference of the Canadian Economics Association, Winnipeg, Canada 2023

59th Annual Conference of the Canadian Economics Association, Montreal, Canada, 2025

Annual Conference of the Atlantic Canada Economics Association, St. John's, Canada, 2025

PUBLICATIONS

S. Bahrami, M. Toulabi, S. Ranjbar, M. Moeini-Aghaie and A. M. Ranjbar, "A Decentralized Energy Management Framework for Energy Hubs in Dynamic Pricing Markets," in *IEEE Transactions on Smart Grid*, vol. 9, no. 6, pp. 6780-6792, Nov. 2018, doi: 10.1109/TSG.2017.2723023.

TECHNICAL SKILLS

Programming Languages: C++, Python, R, Fortran

Economic Software: STATA, MATLAB, EViews

Other Software: MS Office, Latex, Power BI

Dataset Experience: NELS88, ELS02, HSL09, NLSY79/97, Labour Force Survey, Census, BEAM, LAD, IMDB

LANGUAGE SKILLS

English (Fluent), French (Intermediate), Persian (Fluent)