Erfan AHAR
PhD Student

🔗 https://erfanahar.github.io   in linkedin.com/in/erfanahar   ⬡ github.com/ErfanAhar

☐ +1 952 245 69 77
@ ahar0008@umn.edu
📍 1166 Fifield Ave, Saint Paul, MN 55108

EDUCATION

Present Aug. 2023	Economics, PHD, University of Minnesota, Minnesota, U.S. GPA : **4/4** - via 40 Credits
July. 2025 Aug. 2023	Economics, M.A., University of Minnesota, Minnesota, U.S. GPA : **4/4** - via 30 Credits
June. 2022 Jul. 2019	Economics, M.A., TeIAS, Tehran, Iran GPA : **19.37/20** - via 40 Credits
June. 2019 Sep. 2015	Industrial Engineering, B.Sc., Sharif University of Technology, Tehran, Iran GPA : **18.39/20** - via 142 Credits

WORK EXPERIENCE

Aug. 2025 present	Research Analyst, FEDERAL RESERVE BANK OF MINNEAPOLIS, Department of Research › Work under supervision of Prof.Juan Pablo Nicolini
Aug. 2023 Aug. 2022	Data Analyst, TAPSI (RIDE-HAILING COMPANY), Data Analyst in the pricing team › Designing A/B tests including switch-back, driver-based, and passenger-based tests. › Monitoring A/B tests. › Evaluating results of A/B tests for business decision making. SQL ⎹ PySpark ⎹ Switch-Back Test
Aug. 2023 Feb. 2021	Research assistant, UNIVERSITY OF BRISTOL, Working under supervision of Prof. Sepahsalari › Assisting in developing a model to study and analyze firm dynamics in presence of financial friction and labor search › Implemented the numerical solution for the model in "matlab" and decreasing the run-time. › Working on FAME data to calibrate model. DSGE models ⎹ Dynamic programming
Feb. 2021 April. 2020	Research & teaching assistant, TEIAS, Working under supervision of Prof. Joshaghani › Cleaned and analyzed Iran's housing transaction data › Computed the common indexes of housing market for the first time in Iran, including : Case-Shiller index, Iran's home ownership ratio, relative price of house to dollars, ... Housing ⎹ Real-state

Honors and Awards

Ranked 1st	Best score on the Spring 2024 Macroeconomics prelim (Harald Uhlig Award)
Fellowship	Warwick Spring 2024 Fellowship due to outstanding academic performance
Ranked 1st	in M.Economics in Tehran Institute for Advanced Studies 2020
Fellowship	Master of Economics at Tehran Institute of Advance Studies(TeIAS) 2019
Silver Medal	National Industrial Engineering Olympiad 2019
Ranked 1st	In Industrial Engineering program of Sharif University of Technology 2019 based on GPA

Reserch Interests

> Macroeconomics
> Labor Macroeconomics
> Game Theory and Market Design

Skills

Programming :	Julia, C, C++, Python, SQL, PySpark
Math Software :	MATLAB, STATA, Dynare, SAS

References

Prof. V.V. Chari
(Paul W. Frenzel Land Grant Professor of Liberal Arts)
Department of Economics
UNIVERSITY OF MINNESOTA

@ chari002@umn.edu
☎ +1 612 626 7151

Teaching Experience

Sprint 2025	Teaching Assistant, MACROEONOMICS THEORY 2, PhD Course Instructor : Prof. V.V. Chari - Prof. Manuel Amador
Fall 2024	Teaching Assistant, MACROEONOMICS THEORY 1, PhD Course Instructor : Prof. Tim Kehoe - Prof. Larry Jones

Selected Research Papers

2024	Financial market imperfections and labour market outcomes : (JPE Macro R&R), , With Alireza Sepahsalari > How a credit crunch affects employment decision of firms across the size distribution, and what are the consequences on real activity and the unemployment rate ? `Firm dynamics`
2020	Master Thesis : Optimal UI, MACROECONOMICS II, Adviser : Dr. Joshaghani > Developing a heterogeneous agent model with financial friction and directed search labor market to analyze the optimal level of unemployment insurance in General Equilibrium `Heterogeneous agent models` `Labor search` `Financial friction`

Graduate Courses Studied

Macroeconomics Theory 1,2,3,4	by : Tim Kehoe, Larry Jones, V.V. Chari, Erzo Luttmer	Grade : A
Advanced Macroeconomics computation 1,2	by : Ellen McGrattan, Anmol Bhandari	Grade : A
Monetary Economics 1,2	by : Alisdair McKay, Cristina Arellano	Grade : A
Adv Labor Econ 1,2,3	by : Loukas Karabarbounis, Kyle Herkenhoff, Fatih Guvenen	Grade : A
Public Economics 1,2,3	by : Larry Jones, Jonathan Heathcote, V.V. Chari	Grade : A
Game Theory 1,2	by : Aldo Rustichini, David Rahman	Grade : -