

ECON 699 – Directed Study Spring 2023

Student: Eric Hsienchen Chu / Supervisor: Prof. Matteo Camboni

hchu38@wisc.edu / camboni@wisc.edu

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Tentative Project Title: “Dynamic Destruction of the Tier Hierarchy”

Drafts: Dropbox: ECON699 – Directed Study

Suggested Meeting Time: Wednesday, 4:00 – 5:15 PM, Social Science 8434.

Credits: 1 credit. 75 min meeting per week. Expected to work 3-5⁺ hours outside the meeting.

Description: This Directed Study offers the student an opportunity to work with a faculty member on an individual study program. A student who is stimulated by a particular concept or problem encountered in a course can pursue and develop that interest in depth through a directed study project. Such individualized study can make a valuable contribution to a student’s educational experience. Directed study courses are made available by departments on the basis of a student’s preparation and motivation and a faculty member’s willingness to accept the student in such an endeavor.

Reference and Paper Materials: see [References](#). Each paper is sorted alphabetically with hyperlinks provided.

Tentative Outline and Calendar:

General Goal:

Complete *Introduction* and *Related Literature*. Pin down the preliminary *Models* and focus on Candidate parts.

1. Investigate the background of the Econ Job Market.
2. Review previous studies on Econ Job Market structure, Search Model, Network Theory in the relevant setups.
3. Facilitate the primary story to sell in this project.
4. **Sophomore Research Fellowship – February 28, 2023 – Proposal**
5. Identify the agents in the entire job searching process and construct problems for each.
6. Construct proper parameters / assumptions to solve the equilibrium in job search among candidates – Network theory.
7. (Construct proper parameters / assumptions to solve the equilibrium in job search between candidates and hiring departments – structural models w some **game theory**)
8. **Game Theory Reading: Fudenberg and Tirole (1991)**
9. (Construct proper parameters / assumptions to solve the equilibrium in job search among hiring departments – organization-based strategic interactions.)

Reference

- Christoph Aymanns, Co-Pierre Georg, and Benjamin Golub. 2023. Exit Spirals in Coupled Networked Markets. *Forthcoming in Operations Research*.
- Matteo Camboni and Michael Porcellacchia. 2022. Monitoring Team Members: Information Waste and the Self-Promotion Trap. *Job Market Paper*.
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- Coles, Peter, John Cawley, Phillip B. Levine, Muriel Niederle, Alvin E. Roth, and John J. Siegfried. 2010. The Job Market for New Economists: A Market Design Perspective. *Journal of Economic Perspectives*, 24 (4), 187-206.
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- Darrell Duffie, Piotr Dworczak, And Haoxiang Zhu. Benchmarks in Search Markets. *The Journal of Finance*, 72(5), 1983-2044.
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- Francisco M. Gonzalez and Shouyong Shi. 2010. An Equilibrium Theory of Learning, Search, and Wages. *Econometrica*, 78(2), 509–537.
- Krueger, Alan B., and Andreas I. Mueller. 2016. A Contribution to the Empirics of Reservation Wages. *American Economic Journal: Economic Policy*, 8 (1), 142-79.
- McFall, Brooke Helppie, Marta Murray-Close, Robert J. Willis and Uniko Chen. 2015. Is It All Worth It? The Experiences of New PhDs on The Job Market, 2007-10. *Journal of Economic Education*, 46(1), 83-104.
- Michael Peters. 2010. Noncontractible Heterogeneity in Directed Search. *Econometrica*, 78(4), 1173-1200.
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