

Yuki Onozuka

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Contact Information

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Education

2013 – 2019 Summer (expected)	Ph.D. in Economics, University of Western Ontario, Canada <i>Thesis title: College Majors and Skills</i>
March 2012	M.A. in Economics, Hitotsubashi University, Japan
March 2010	B.A. in Economics, Hitotsubashi University, Japan

References

Professor Chris Robinson (Co-chair)
Department of Economics
University of Western Ontario
robinson@uwo.ca

Professor Lance Lochner (Co-chair)
Department of Economics
University of Western Ontario
llochner@uwo.ca

Professor Salvador Navarro
Department of Economics
University of Western Ontario
snavarr@uwo.ca

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Citizenship

Japan

Languages

Japanese (native), English (fluent), German (intermediate)

Research and Teaching Fields

Labour Economics, Economics of Education, Applied Microeconometrics

Teaching Experience

2018 Summer	Instructor, Econometrics I (ECON 2122A) (Undergraduate) Department of Economics, University of Western Ontario
2018 Winter/2017 Fall	TA, Global Macroeconomics for Managers (Undergraduate) Ivey, University of Western Ontario, Professor Davin Raiha (2018), Professor Isaac Holloway (2017)
2012	TA, Labour Economics (Undergraduate) Department of Economics, Hitotsubashi University, Professor Daiji Kawaguchi
2011	TA, Econometric Analysis (Graduate) School of International and Public Policy, Hitotsubashi University, Professor Shun-ichiro Bessho

Research Experience

May 2017 – Present	Research Assistant for Professor Audra Bowlus and Professor Chris Robinson, University of Western Ontario
2012 – 2016	Research Assistant for Professor Daiji Kawaguchi and Professor Hideo Owan, Research Institute of Economy, Trade and Industry (RIETI), Japan
2012 – 2013	Young Researcher, G-COE at Hitotsubashi University
2011 – 2013	Research Assistant for Dr. Reiko Kosugi and Dr. Hiromi Hara Japan Institute for Labour Policy and Training (JILPT), Japan

Conference and Seminar Presentations

- 2017: Japanese Economic Association (JEA) Spring Meeting (poster), 51th Canadian Economics Association (CEA) Annual Conference, OCGSE Launch Conference (poster)
- 2016: Western Economics 50th Anniversary Conference, 9th Trans-Pacific Labor Seminar (TPLS) Annual Meeting
- 2013: 10th Biennial Pacific Rim Conference
- 2012: Policy Modeling Conference (Tokushima), 7th Applied Econometric Conference (Osaka), JEA Spring Meeting (poster), 5th TPLS Annual Meeting, Seminar on “Household Economic Behavior Analysis with Micro Data” (Tokyo)

2011: 14th Labor Economics Conference (Hyogo), Conference on “Early Human Capital Accumulation and Mobility of Economic Gap” (Tokyo)

2010: 4th Japanese Statistical Association Spring Meeting (poster)

2009: 10th International Academic Conference on Economic and Social Development

Honors, Award and Fellowships

2015	Summer Paper Prize (best 2nd year paper), University of Western Ontario
2013 – 2018	Study Abroad Fellowship, Japan Student Service Organization (JASSO)
2013	Research Fellowship for Young Scientists (DC2) Japan Society for the Promotion of Science (JSPS)
2010 – 2012	Loan Repayment Full Exemption (merit based), JASSO
2008 – 2009	Hitotsubashi University Study Abroad Fellowship, Hitotsubashi University
2007 – 2008	Hitotsubashi University Cooperative Association Scholarship Hitotsubashi University Cooperative Association
2007	Outstanding Student Award Faculty of Economics, Hitotsubashi University

Published Papers

“University Prestige, Performance Evaluation, and Promotion: Estimating the Employer Learning Model Using Personnel Datasets” (with Shota Araki and Daiji Kawaguchi), 2016, *Labour Economics*, 41, pp. 135-148.

“The Gender Wage Gap and Sample Selection in Japan”, 2016, *Journal of the Japanese and International Economies*, 39, pp. 53-72.

Working Papers

“Heterogeneous Skill Growth across College Majors” Job Market Paper

There is a large literature on differential wage returns across college majors, but not many papers focus on skill growth by major. Differences in course taking by major will result in students accumulating different types and amounts of skills and the heterogeneous skill growth will lead to the differences in wage returns. This paper estimates skill growth during college by college major using the NLSY97 and the O*NET. To capture both type and quantity of accumulated skills, I assume that each major produces a general cognitive skill and a major-specific skill. I further allow individual heterogeneity in skill growth. I take a task-based approach and use occupation choice to estimate skill growth in general cognitive skill. To deal with noisy skill measurements and endogeneity, a dynamic factor model is constructed. The results show substantial growth of general cognitive skill in all majors, but with large differences in average growth across majors. I find different effects of pre-college skill levels on the

skill growth by major, but the differences are not large enough to explain an observed strong sorting into major based on pre-college skill. The contribution of major-specific skill growth to wage growth is small compared to that of general cognitive skill growth in any major.

“Basic Skills or Major-Specific Knowledge? Sources of Wage Penalties for Working Outside the Major Field of Study”

This paper examines the source of wage penalties for working outside one’s major field of study. Recent research shows that workers in a job unrelated to their major field of study experience significantly lower wages than those in a related job. A substantial amount of human capital may be underutilized. Identifying the sources of the wage penalty is important for understanding how to decrease the inefficient use of human capital, how students should choose a college major, and what type of human capital students accumulate in college. I use the 1993 National Survey of College Graduates and the O*NET to divide the sources into basic skills and major-specific knowledge. The results show that, on average, individual characteristics explain more than half of the raw wage penalty and that 28% - 41% of the remained wage penalty can come from the mismatch in underlying basic skills. There are wide variations across degree types and fields of study.

Work in Progress

“Job Relatedness to College Major: Workers’ Self-Assessment Measures and Job Analysis Measures”

Many papers argue that the quality of the match between college major and job has sizable effects on wages. However, it is difficult to measure match quality, and there are several suggested approaches. Using the National Survey of College Graduates 1993, I examine the relationship between a worker’s self-assessment measure, a job analysis measure constructed from the O*NET, and a job analysis measure constructed from the Standard Occupation Classification (SOC) system. I also examine how much the wage penalties of working in unrelated jobs vary with the relatedness measures.

Other Overseas Experience

2008 – 2009

Exchange Student, University of Cologne, Germany