

# MATTHEW MILLINGTON

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Department of Economics, Arizona State University  
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Placement Director: Professor Natalia Kovrijnykh  
Placement Coordinator: Laura-Jean Talts

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## OFFICE CONTACT INFORMATION

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Tempe, AZ 85281  
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## EDUCATION

PhD in Economics, Arizona State University, 2018-present  
Thesis title: *Essays on the Labor Market*  
Expected completion date: May 2024

## References:

Domenico Ferraro, Associate Professor of  
Economics (Chair)  
domenico.ferraro@asu.edu  
(480) 965-5498

Hector Chade, Professor of Economics  
hector.chade@asu.edu  
(480) 965-4714

Gustavo Ventura, Professor of Economics  
gustavo.ventura@asu.edu  
(480) 965-5881

MS in Economics, Arizona State University, May 2021  
BS in Economics, Brigham Young University, December 2015, cum laude

## TEACHING AND RESEARCH FIELDS

Macroeconomics, labor economics

## TEACHING EXPERIENCE

### Instructor

Spring 2023  
Spring 2023, Fall 2022, Spring 2022, Fall 2021  
Summer 2021

Spring 2021

Microeconomic Principles  
Macroeconomic Principles (online)  
Intermediate Macroeconomic Theory (in-person/online  
hybrid)  
Advanced Honors Macroeconomics (reassigned to in-  
struct the course from Edward Prescott)

### Teaching Assistant

Spring 2021	Financial Economics, assisting Rajnish Mehra
Fall 2020	Macroeconomic Principles, assisting Bart Hobijn
Spring 2020	Advanced Honors Macroeconomics, assisting Edward Prescott
Spring 2020	Analysis of US Economy, assisting Bart Hobijn
Fall 2019	Economic Development, assisting Stephie Fried
Fall 2019	Macroeconomic Principles, assisting Joanna Girante

#### Undergraduate Advising

Spring 2021	Honor's Thesis Committee Member for Jack Fuller and Justin Fink
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### **RESEARCH ASSISTANT EXPERIENCE**

Summer 2021	Research Assistant for Edward Prescott, Federal Reserve Bank of Minneapolis
2016-2017	Research Assistant for Joe Price, NBER

### **HONORS**

2021	Distinguished Economics Graduate Instructor
2021	Best Third-year Paper Presentation
2021	John W. Teets Outstanding Graduate Teaching Assistant

### **CONFERENCES AND SEMINARS**

2023	ASU Macroeconomics Workshop
2022	Midwest Macro Fall Meetings, ASU Macroeconomics Workshop
2021	ASU Macroeconomics Workshop, Ohanian-Hansen UCLA Workshop

### **PUBLICATIONS**

"Changes in Parental Gender Preference in the USA: Evidence from 1850 to 2019" with Todd R. Jones and Joseph Price, *Journal of Population Economics*, 2023.

### **WORKING PAPERS**

A Unified Theory of Human Capital, Job Search, and Wages with Implications for Taxation (Job Market Paper)

**Abstract:** I develop a rich model of wages with endogenous human capital accumulation and endogenous on-the-job search. In the model, heterogeneous workers invest in accumulating human capital and job search effort, and heterogeneous firms post jobs. I parameterize the model using microdata from the SIPP. The model is capable of matching the lifecycle profiles of wages and wage dispersion as well as monthly wage growth. The calibrated model suggests that lifecycle wage growth is primarily a function of on-the-job search while wage dispersion is primarily a function of heterogeneity in human capital. To demonstrate the usefulness of the model, I perform counterfactual policy experiments analyzing the effects of tax progressivity. An increase in tax progressivity decreases wages, mostly due to a decrease in search effort. It has little effect on wage dispersion because the human capital and search channels offset one another.

Duration Dependence and Unemployment Persistence

**Abstract:** Unemployment is persistent over time, particularly as it decreases after recessions, but standard search models struggle to replicate this fact. I embed duration dependence in a basic search model and show that duration dependence helps to generate realistic unemployment persistence over the business cycle.

Intuitively, after recessions, the composition of the unemployment pool shifts to the long-term unemployed, and since they have lower job finding rates, this decreases the aggregate job finding rate and slows recovery. The effect is mitigated if (a) the appearance of duration dependence is driven by unobserved heterogeneity or (b) the recession is driven by a job separation shock.

### **PROGRAMMING SKILLS**

Python, MATLAB, Stata, LaTeX