

# CHEK YIN CHOI

## PERSONAL INFORMATION

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<b>Date of Birth</b>	02 November 1995
<b>Email</b>	chek-yin.choi@iies.su.se
<b>Github</b>	<a href="https://github.com/hkchekc">https://github.com/hkchekc</a>
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## RESEARCH INTERESTS

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Macroeconomics, Trade, Industrial Organization, Supply Chain, Computational Methods

## EDUCATION

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<b>PhD in Economics, Stockholm University</b> Hedelius Scholarship - 500,000 SEK	2020-
<b>Visiting PhD Student, Bocconi University</b>	Feb-April, 2025
<b>Masters in Economics, Ludwig Maximilian University of Munich</b> Grade average achieved: 1.53–(in 1.0 -6.0 scale)	2017 - 2020
<b>Visiting Graduate Student, University of Wisconsin-Madison</b>	Sep-Dec 2019
<b>Bachelors in Business Economics, Martin Luther University of Halle-Wittenberg</b> Deutschlandstipendium (Germany Scholarship) (2016) Grade average: 1.80–(in 1.0 -6.0 scale)	2013 - 2017

## WORKING PAPERS

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### **Supplier Search and Market Concentration (JMP)**

Abstract: This paper examines how lower search costs in input markets reshape the distribution of firm sizes. Using Swedish firm-level import data, I document four facts: (i) more productive firms pay lower input prices, (ii) the dispersion in imported varieties across firms is widening, (iii) the sales distribution among importers has become more unequal, and (iv) municipalities with greater fiber-optic coverage experience faster supplier network growth, especially among more productive firms. To interpret these patterns, I develop a quantitative model of monopolistic competition with frictional input markets, in which firms incur fixed costs to search and bargain with suppliers. The model shows that falling search costs reallocate resources toward importers, raising aggregate productivity but also increasing market concentration. A counterfactual exercise indicates that a 10 percent tariff on inputs would largely offset these gains.

### **Inflation Persistence and a new Phillips Curve**

*with Marcus Hagedorn, Juan Llavador and Kurt Mitman*

Abstract: Auclert et al. (2024) recently argued that, to first order, menu-costs models deliver the same New Keynesian Phillips Curves as time-dependent models in response to AR1 shocks. We show here that when

considering a broader class of shocks, menu-costs models can generate qualitatively and quantitatively different Phillips curves than implied by time-dependent models. Shocks to the growth rate of nominal demand generate inflation persistence in the model, in line with the data, but at odd with the standard time- dependent NKPC. Changes in the extensive margin of price adjustment in the menu-cost model generate history dependence that is captured by the lagged inflation rate. Once we control for lagged nominal demand growth, the explanatory power of lagged inflation drops significantly. The reason is that nominal demand growth is a second determinant of inflation in the Phillips curve in menu-cost models and inflation therefore inherits the persistence of the process for nominal demand.

## WORK IN PROGRESS

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**When Unified Market meet Local Markets: How Big Firms Drive Local Price Dynamics?**

**Are Robots Special?**

*with Isabella Maassen*

**The Scope of Innovative Firms and Multi-Skilled Workers: Evidence from Software Development**

*with Jinci Liu*

## WORK EXPERIENCE

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**Software Development Research Assistant**

Spring 2018 - Summer 2019, Spring 2020

*G-Node (German Neuroinformatics Node), Munich*

Programming primarily with Python and Go in an test-driven and object-oriented style

Developing Python libraries for neuroscience data which facilitates data storage, analysis and sharing among neuroscientists

Developing functions, storage format and command-line tools for the neuro-database system

**Research Intern**

May-June 2017

*Halle Institute for Economic Research (Leibniz Association), Halle (Saale)*

Working in macroeconomics research group

Assisting researches on inflation and tax

Analyzing data and constructing dataset using Stata

**Business Development Intern**

Oct 2016-Jan 2017

*Demoup GmbH, Berlin*

Online product video Platform for online shops, such as MediaMarkt or Target

Responsibility: Contacting Brands, Managing Video Database

## TEACHING EXPERIENCE

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**Teaching Assistant, Microeconomics I (PhD)**

2021

*Stockholm University*

## PRESENTATIONS

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**2025:** Umeå NEWER Workshop, Bocconi University, 3rd RISE Workshop, Kiel University (Online), (Planned): SUDSWEC Workshop, 14th National PhD Workshop in Finance

**2023:** Swiss-Swedish Macro Workshop

## SKILLS

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<b>Tools</b>	Git, Python, LaTeX, C++, C#, Matlab, Fortran	
<b>Languages</b>	Cantonese	Mother tongue
	English	Fluent
	Mandarin	Fluent
	German	Conversational
	Japanese	Basic

## REFERENCES

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### **Timo Boppart**

Institute for International Economic Studies,  
Stockholm University  
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### **Michele Fioretti**

Department of Economics,  
Bocconi University  
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### **Kurt Mitman**

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