

# PATTAWEE PUANGCHIT

Center for Global Trade Analysis, Department of Agricultural Economics, Purdue University, IN, USA

✉ ppuangch@purdue.edu |  Pattawee |  Pattawee |  Digital Card |  Pattawee.com

Data analyst with 6+ years in academia, global firms, and startups. Specialized in CGE modeling, trade policy, and data-driven strategies for economic and business analysis. Actively seeking roles in international trade, policy consulting, or economic research.

## WORK EXPERIENCE

<b>Graduate Research Assistant</b>  , Center for Global Trade Analysis, Purdue University	USA
Focus: <i>Trade Policy, CGE Modeling, GTAP-Standard and GTAP-RD Models</i>	2021 – Present
<b>Co-Founder &amp; Head of Data Analytics</b>  , AMATA Production Co., Ltd.	Bangkok, TH
Co-founded a Thai brand-building firm (\$300,000 USD capital).	2021 – Present
<b>Graduate Teaching Assistant</b> , University of California, Davis	USA
Course with Julian Alston: <i>Welfare Analysis of Agricultural Policies</i>	2020 – 2021
<b>Market Data Analyst</b> , Unilever Thailand	TH
Future Leaders' Program: <i>Food Retail Team (Knorr)</i>	Jan 2019 – Aug 2019
<b>Business Data Analyst</b> , True Corporation Public Company Limited	TH
	2018 – 2019
<b>Business Development Specialist</b> , Agricultural and Agro-Industrial Product Improvement Institute, Kasetsart University	TH
	2016 – 2018

## EDUCATION

<b>Ph.D.</b> Purdue University, Agricultural Economics	2021 – Expected 2025
Specialization: <i>CGE Modeling, Trade Policy, Tariffs, and Non-Tariff Measures</i> Advisor: Dominique van der Mensbrugghe, Ph.D.	
<b>M.S.</b> University of California, Davis, Agricultural and Resource Economics	2019 – 2021
Thesis: <i>The Impact of the ASEAN Economic Community on Agricultural Trade</i> Advisor: Richard Sexton, Ph.D., Distinguished Professor	
<b>B.S.</b> Kasetsart University, Agricultural Economics, <i>summa cum laude</i>	2013 – 2016

## PROJECTS

### Economic Research

<b>Lead Analyst</b> , World Bank-funded project	USA
Assessed U.S. reciprocal tariffs on MENA using the GTAP Standard Model.	Feb–Mar 2025
<b>Lead Analyst</b> , Brookings Institution-funded project	USA
Simulated 25% U.S. tariffs on Mexico and Canada using a CGE model.	Jan 2025
<b>Lead Analyst</b> , World Bank-funded project	USA
Modeled global impacts of U.S. trade war scenarios using CGE.	Sep 2024 – Mar 2025

### Software Development

<b>Author &amp; Maintainer</b> , GTAPViz – R Package 	Online
R package for extracting and visualizing GTAP and GEMPACK CGE outputs.	Feb 2025 – Present

## PUBLICATIONS

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**Puangchit, P.** (2025). Estimating Ad-Valorem Equivalents of Non-Tariff Measures at the Product Level: A Dynamic Structural Gravity Model. *Working paper*.

**Puangchit, P.** & Corong, E. (2025). GTAPViz in R: A Program to Streamline and Visualize GTAP Model Results in R. *Working paper – Journal of Global Economic Analysis*.

**Puangchit, P.** & Corong, E. (2025). Modeling Tariff and Non-Tariff Measures on ASEAN Region: A Standard GTAP CGE Model. *Working paper*.

**Puangchit, P.** & Corong, E. (2024). Impacts of Non-Tariff Measures on ASEAN Trade: A Dynamic Approach. *Conference paper, 27th Annual Conference on Global Economic Analysis, Colorado State University*.

Corong, E., **Puangchit, P.**, & Tsigas, M. (2022). Chapter 12.B: Disaggregating Labor Payments. In *Global Trade, Assistance, and Production: The GTAP 11 Data Base*, edited by A. Aguiar. Center for Global Trade Analysis, Purdue University.

**Puangchit, P.** & Hadachek, J.D. (2021). The Impact of the ASEAN Economic Community on Agricultural Trade: A Synthetic Control Method. *Master's thesis, University of California, Davis*.

## DATA & PROGRAMMING SKILLS

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### Data Processing & Statistical:

- **Expert:** R, STATA, VBA, GEMPACK, Python (Data Processing, Automation, Visualization)
- **Advanced:** JavaScript (Google Apps Script, Data Processing, Dynamic Web Interaction), SQL, GAMS, Julia, SPSS

### Data Visualization & Interactive Mapping:

- **Advanced:** ggplot2, Matplotlib
- **Intermediate:** Folium, Leaflet.js, Plotly

### Web & Markup Technologies:

- **Proficient:** HTML, CSS, XML, GeoJSON, Liquid, Jekyll, Markdown

## CERTIFICATIONS

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**GTAP Dynamic Short Course**, Center for Global Trade Analysis.

Three-month intensive course on Recursive GTAP Dynamic modeling techniques, with a group project focused on trade policy.

USA  
Mar 2025

**31st Annual Short Course in Global Trade Analysis**, Center for Global Trade Analysis.

*Served as an instructor for the course.*

USA  
Aug 2024

## HONOR & AWARDS

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**Anandamahidol Foundation** – \$60,000 per year

2019 – Present

Highly prestigious and fully-funded scholarship awarded annually by the King and Thai government to fewer than six exceptional scholars for graduate studies abroad. No repayment required.

**Distinguished Alumni**, Kasetsart University Laboratory School

2018

**Valedictorian**, Department of Economics, Kasetsart University

2017

**Charoen Pokphand Group** – \$3,000 per year

2014 – 2017

**Mizuho Financial Group** – \$6,000 per year

2013 – 2017

**Outstanding Student Awards**, Kasetsart University

- Role Model Students: *Awarded to less than 1% of students who have received all outstanding awards*
- Creative and Innovative Student Researchers

2017

2013, 2014, 2016

• Behavior and Conduct	2015
• Social Activists	2015, 2016
<b>Bhumibol Adulyadej Scholarship</b> , Thai government – \$1,500	2016
<b>The 22<sup>nd</sup> Strategic and Economics Competition (Winner)</b> , Kasetsart University	2016
Project: <i>Consumer Behavioral Analysis for Thai Local Ice-cream</i>	
<b>National Business Plan Competition (First runner-up)</b> , Thailand	2016
Project: <i>Business Model for Ecotourism: Travel and Study of Thai Farm Culture</i>	
<b>National Strategic and Business Analysis Competition (Winner)</b> , Thailand	2015
Project: <i>Cost Analysis of Digital Platforms for Thai Agricultural Commodities</i>	
<b>National Economics Competition (Winner)</b> , Thailand	2014
Project: <i>Impacts of Technological Development on Agricultural Market</i>	
<b>National Economics and Business Plan Competition (First runner-up)</b> , Thailand	2014
Project: <i>Economic Impacts and Business Analysis for Thai Royal Projects: A Case Study of Doi-Angkhong</i>	

## PRESENTATIONS, LEADERSHIP & SERVICE

### Presentation

<b>AAEA Annual Meeting</b> , New Orleans Marriott	USA
Case Competition: <i>Moo-ving Forward – Automated Milking System for Small Farms</i>	July 2024
<b>27<sup>th</sup> GTAP Conference</b> , Colorado State University	USA
Working Paper: <i>Impacts of Non-Tariff Measures on ASEAN Trade</i>	June 2024
<b>22<sup>nd</sup> Economic Analysis Conference</b> , Kasetsart University	TH
Research: <i>Consumer Behavior in Thai Ice Cream Market</i>	Dec 2016
<b>50<sup>th</sup> TMA Thailand Competitiveness Conference</b> , The Athenee Hotel, Bangkok	TH
Research: <i>Economic Impacts and Business Analysis for Thai Royal Projects.</i>	June 2014

### Leadership & Service

<b>Head of Young Alumni</b> , Department of Economics and Business School, Kasetsart University	2017 – Present
<b>Representative Speaker</b>	
• Topic: “ <i>The Pathway to Success</i> ”, featured on the Career Facts website	Aug 2020
• Topic: “ <i>Future of Thai Educational System and Online Class</i> ”, presented at the Kasetsart University Executive Conference	June 2020
• Topic: “ <i>Inspiring High-School Students to Excel</i> ”, delivered at Kasetsart University Laboratory School Annual Meeting	2017, 2018, 2019
<b>President of Student Association</b> , Department of Economics, Kasetsart University	2015 – 2016

## REFERENCES

### Dominique van der Mensbrugghe, Ph.D.

Former Director, Center for Global Trade Analysis  
 Research Professor, Purdue University  
 Ph.D. Research Advisor  
 Email: [vandermd@purdue.edu](mailto:vandermd@purdue.edu)

### Erwin Corong, Ph.D.

Principal Research Economist & Associate Director  
 Center for Global Trade Analysis, Purdue University  
 Ph.D. Committee & GTAP Mentor  
 Email: [ecorong@purdue.edu](mailto:ecorong@purdue.edu)

### Nuchanata Mungkung, Ph.D.

Vice President for Finance and Asset Management  
 Kasetsart University  
 B.S. Dean & Academic Mentor  
 Email: [feconnm@ku.ac.th](mailto:feconnm@ku.ac.th)

### Saowarat Opasayanont

Head of Marketing, Osotspa  
 Bangkok, Thailand  
 Former Director, Unilever Thailand  
 Email: [saowarat.opa@osotspa.com](mailto:saowarat.opa@osotspa.com)