

CHUNGKIM KIM

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Ellicott City, MD, USA

RESEARCH INTERESTS

Global Food Security · Health & Nutrition · AI for Humanitarian · Climate Change · International Development · Poverty & Food Security Measurement

CURRENT ACADEMIC POSITION

• **Bloomberg School of Public Health, Johns Hopkins University** 2026 – Present
Postdoctoral Research Fellow at the Center for Humanitarian Health United States

EDUCATION

• **University of Illinois at Urbana–Champaign** 2025
Ph.D. in Applied Economics United States
• **Seoul National University** 2019
M.Sc. in Agricultural Technology Republic of Korea
• **Handong Global University** 2015
B.Sc. in Environmental Studies (Cum Laude Graduate) Republic of Korea

WORKING PAPERS

“**Hearing the Alarm: Do Donors Follow Institutional Crisis Signals?**” Job Market Paper. [Draft]
Selected presentation at UNU-WIDER Development Conference (awarded full travel support) · European Association of Agricultural Economists (EAAE) 2025 Congress · Agricultural and Applied Economics Association (AAEA) 2025 Annual Meeting (Poster) · American Public Health Association (APHA) 2026 Annual Meeting and Expo (Oral Presentation)

“**Early-Year Milk Price and Child Stunting in Zambia.**” [Draft | Slides]
Presented at AAEA 2022, EAAE 2023, Tata-Cornell 2023 · American Public Health Association (APHA) 2026 Annual Meeting and Expo (Poster).

“**H-Aid Tracker AI-Powered Subnational Humanitarian Aid Mapping.**”
Presented at Food Assistance Strategic Dialogue, Johns Hopkins Bloomberg School of Public Health (Washington D.C., 2026) · AI + Health Care Idea Tank Pitch Finalist, Hopkins Business of Health Initiative, Data Science and AI Institute, & Innovation Translation Council (2026)

PUBLICATIONS (PEER-REVIEWED)

“**Hidden Hunger: Global Estimates Systematically Undercount Acute Hunger.**” Lentz, E., Michelson, H., Baylis, K., & Kim, C. (2025). *Nature Food*. [LINK] | [Replication Code]

“**Inside the Black Box: How Consistent Are Global Food Security Crisis Assessments.**” Lentz, E., Michelson, H., Baylis, K., & Kim, C. (2025). *Food Policy*. [LINK] | [Replication Code]

“**Machine Learning for Food Security: Principles for Transparency and Usability.**” Zhou, Y., Lentz, E., Michelson, H., Kim, C., & Baylis, K. (2022). *Applied Economic Perspectives and Policy*. [LINK]

“**Exploring the Association between Agricultural Production Systems and Household Diets in Viet Nam.**” Bandyopadhyay, A., Azzarri, C., Haile, B., Kim, C., et al. (2022). *Food Security*. [LINK]

“**The Economics of the Soy Kit for Food Entrepreneurs.**” Kim, C. & Goldsmith, P. (2021). *Food and Nutrition Bulletin*. [LINK]

“**Vietnamese Preferences for Fresh Korean Ginseng.**” Joo, Y., Kim, T., Nguyen, D.K., & Kim, C. (2021). *Korean Journal of Agricultural Economics*. [LINK]

WORK IN PROGRESS

“**Climate Change, Conflict, Displacement and Health in Mali and Iraq.**” With Center for Humanitarian Health. Leading displacement modeling for Iraq [Project Link]

“**Developing a Review and Evaluation Framework for AI Models (LACI Project).**” With Melissande, M. (European Commission – Joint Research Centre, EC-JRC) and IPC-GSU.

“**Acute Food Insecurity Data and Modelling.**” With Ronco, M. et al. (collaboration with EC-JRC).

“**Multidimensional Food Security Indicators: Evidence from Sub-Saharan Africa.**” With Baylis, K., Lentz, E., Michelson, H. Presented at AAEA 2022 Track Session.

PROFESSIONAL EXPERIENCE

- **Food and Agriculture Organization (FAO), IPC Global Support Unit** Feb 2024 – Present
Rome, Italy / Remote
Data Scientist & Modelling Specialist
 - Predictive modelling · Multi-Source Data Integration · AI Model Evaluation
 - Prototype development: News Media Analytics for Risk Monitoring [[Live Tool](#)]
- **Food and Agriculture Organization (FAO), IPC Global Support Unit** Oct 2022 – Aug 2023
Rome, Italy / Remote
Food Security Analyst
 - IPC Accuracy Study · Descriptive and inferential analytics
- **International Fund for Agricultural Development (IFAD)** Sep 2023 – Jan 2024
Rome, Italy / Remote
Impact Assessment Specialist
 - IFAD11/12 dataset harmonization · 10+ countries · Geospatial and socio-economic indicators
 - Create automated data pipelines · climate adaptation program evaluation (Nepal)
- **International Food Policy Research Institute (IFPRI)** Oct 2018 – Jan 2019
Washington, DC
Research Intern
 - International Dietary Data Expansion (INDDEX) project, Vietnam
 - Co-authored research on integrated farming systems and household diets
- **Canaan Farmer School** Jan 2015 – Dec 2017
Korea & Tanzania
Project and Training Officer
 - Capacity building · Agriculture · Resilience · Microfinance
 - Grant management · Cooperative development · Community development projects

POLICY WORK & TECHNICAL PROJECTS

- **LACI Framework: Evaluating AI Models for IPC Use** 2025
FAO-IPC GSU
Policy Tool & Framework
 - Developed the Learning, Assessing, Calibrating, and Integrating (LACI) framework to evaluate AI, ML, and statistical model outputs for IPC integration [[LACI-Framework](#)]
 - Designed operational tools (Learn and Assess Cards) to conduct technical screening, define context-specific limitations, and map outputs to IPC workflows
- **Optimizing Classification Thresholds for Food Security Indicators** 2025
FAO-IPC GSU
Technical Project
 - Threshold optimization · Household survey harmonization · Cross-country concordance
- **News Media Analytics for Risk Monitoring** 2025
FAO-IPC GSU & Kickstart AI (Netherlands)
Policy Tool
 - News Monitoring using NLP / LLM · Sentiment analysis · Topic modelling · IPC risk integration [[View Slides](#)]
- **IPC Accuracy Study: Internal Consistency of AFI & AMN Analyses** 2024
FAO-IPC GSU
Technical Report
 - Food Security Measurement Study [[View Report](#)]
- **Production, Consumption, and Food Security in Viet Nam** 2021
IFPRI, FAO, Tufts Univ.
Diagnostic Report
 - Agricultural production · Diets · Food security linkages [[View Report](#)]
- **Mapping of Poultry Hotspots in Tanzania** 2018
IFPRI
Technical Note
 - Geospatial analysis · Market hotspots · Poultry [[View Report](#)]

TEACHING

- **University of Illinois at Urbana-Champaign** Fall 2024
Champaign, IL
Teaching Assistant, ACE 251: The World Food Economy
 - Delivered weekly in-class lectures: global food production, consumption, and trade · problems of hunger and population · the role of agricultural development, trade, and aid in relieving hunger
- **University of Illinois at Urbana-Champaign** Fall 2022, Fall 2023
Champaign, IL
Teaching Assistant, ACE 435: Global Agribusiness Management
 - Assisted course coordination and grading · Global agribusiness strategy and operations · covered topics (international business environment · global agriculture supply chain)
- **Teaching Material Development** 2025
Online Repository
Data Science: Tools & Projects
 - Practical examples & reusable code for quantitative policy analysis
 - Methods: Python, Machine Learning, NLP, Geospatial Analysis, Causal Inference, LLMs, Dashboard Development
 - Repository link: [Data-Science-for-Policy-Research](#)

METHODS & TOOLS (APPLIED IN RESEARCH)

Programming/Data/GIS/Version Control: Python · R · Stata · SQL · QGIS · Tableau · Git · GitHub

Applied Microeconometrics: DiD · event study · RD · IV · matching (*causal identification and policy evaluation*)

Machine Learning: random forest · gradient boosting · LASSO · basic deep learning (*risk monitoring and prediction*)

NLP & LLMs: BERTopic · named entity recognition · sentiment analysis · spaCy · Hugging Face · prompt engineering (*news analytics and document classification*)

Geospatial: geostatistical analysis · spatial econometrics · hotspot and cluster analysis (*mapping and spatial analysis*)

PRESENTATIONS & INVITED TALKS

American Public Health Association (APHA) Annual Meeting and Expo (2026) · [Thought Summit on DataScience to Build Resilience and Improve Humanitarian Response, Cornell CIDER \(2026\)](#) · Food Assistance Strategic Dialogue, Johns Hopkins Bloomberg School of Public Health (2026) · AI + Health Care Idea Tank Pitch Competition, Hopkins Business of Health Initiative, Data Science and AI Institute, & Innovation Translation Council (2026) · American Agricultural Economics Association (AAEA) Annual Meeting (2025) · Center on Food Security and the Environment (Stanford) Seminar (2025) · European Association of Agricultural Economists (EAAE) Conference (2023) · Tata-Cornell Institute for Agriculture and Nutrition (TCI) Conference (2023) · American Agricultural Economics Association (AAEA) Annual Meeting (2022)

OTHER ACTIVITIES

Professional Activities and Affiliations: Vice President, Graduate Student Organization, Department of Agricultural and Consumer Economics, UIUC (2020–2021) · Member, IPC Advanced Technologies and Artificial Intelligence (ATARI) Working Group (global initiative to enhance food security early warning leveraging AI tools) · Member, American Agricultural Economics Association (AAEA) (2022, 2025) · Member, European Association of Agricultural Economists (EAAE) (2023, 2025)

Public Engagement: Community engagement and humanitarian outreach, Champaign, Illinois (2020–2025): Led donation drives and mobilized resources for programs such as the Shoebox Ministry, Soup Kitchen, and Ready Program · Organized emergency fundraising activities, including humanitarian relief efforts for UNHCR, engaging and coordinating over 100 members of the Korean community; focused on social responsibility, community solidarity, and inclusive action during times of need.

HONORS & AWARDS

Finalist (Top 5 across JH schools), 2026 AI + Health Care Idea Tank Pitch Competition, Hopkins Business of Health Initiative, Data Science and AI Institute, & Innovation Translation Council (2026) · ACE Doctoral Fellowship, University of Illinois (Spring, Fall 2025) · Full Travel Grant, UNU–WIDER Development Conference (2025) · Travel Grant, American Agricultural Economics Association (AAEA) Annual Meeting (2025) · Departmental Travel Grant, ACE, University of Illinois (2025 Spring, 2025 Fall, 2022) · Banaba House Scholarship, Korea (2022–2024) · Cum Laude Graduate, Handong Global University (2015)

LANGUAGES

Korean (Native) · English (Fluent) · Chinese (Intermediate)