

# WONWOO KIM

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## EDUCATION

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### Erasmus University Rotterdam (EUR)

*B.Sc in Economics and Business Economics*

Rotterdam, Netherlands

*Sep 2024 - Jul 2026 (Expected)*

- Cumulative GPA: 9.08/10
- Dual-Degree programme with Sungkyunkwan University (Advanced start at Year 2)
- Major in Policy Economics and Minor in Computer Science
- Relevant Coursework:
  - Economics: Applied Microeconomics, Health Economics, Political Economy, Public Finance
  - Math (*In progress 2025–2026*): Matrix Algebra, Analysis, Vector Calculus, Probability Theory, Linear Optimization
  - CS: Databases, Data Mining

### Sungkyunkwan University (SKKU)

*B.A. in Global Economics*

Seoul, Republic of Korea

*Mar 2021 - Jul 2026 (Expected)*

- Cumulative GPA: 4.13/4.5
- Leave of absence for military service
- Relevant Coursework:
  - Economics: Econometrics, Game Theory, Public Economics
  - Math: Mathematics for Economics, Statistical Analysis for Economics, Calculus I
  - CS: Computational Thinking and Software Coding, Problem Solving and Algorithm, Fundamental of Data Analytics

## FIELDS OF INTEREST

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*Public Economics, Labor Economics, Health Economics*

I am especially interested in how institutional design and incentive structures channel individual intentions into socially beneficial outcomes. I aim to apply these insights to labor, health, and political settings by using microeconomic theory and empirical methods to study and design institutions that enhance efficiency and welfare.

## RESEARCH EXPERIENCE

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### Dynamic Mechanism for Return Incentives in Asylum Systems

EUR

*Bachelor Honours Research Class(Research Assistant) with Prof. Robert Dur*

*Aug 2025 - Present*

- Developing a sequential screening model of return payments for asylum seekers
- Extending time-inconsistency frameworks to analyze how credibility constraints shape migration decisions

### Optimal Taxation of E-Cigarette Products

EUR

*Research Project with Prof. Hans van Kippersluis*

*Jun 2025 - Present*

- Building a welfare-based model to determine the optimal e-cigarette excise tax for the Netherlands
- Incorporating cross-border arbitrage and estimating Dutch-specific elasticities through spatial variation analysis

### Poll Weighting Effects in Intra-Party Primaries on Electoral Strategy and Outcomes

SKKU

*Undergraduate Research Program with Prof. Rhee Keeyoung*

*Feb 2025*

- Developed a game-theoretic model for intra-party primaries, analyzing candidate positioning across configurations
- Simulated equilibria to characterize how poll weighting and constraints moderate political extremism

### Gender-Specific Cardiovascular Screening Intervention Design

EUR

*Research Project with Prof. Hans van Kippersluis*

*Feb 2025*

- Conducted a medical literature review on cardiovascular disease and preventive programs
- Constructed a disease–age–gender panel from CBS data for Zuid-Holland municipalities
- Designed an intervention to address gender-specific attitudes and increase early screening uptake
- Presented findings at a symposium to clinicians, data scientists, and insurance representatives

### Effects of Childbirth Incentives by Local Governments on Birth Rate

SKKU

*Undergraduate Research Program with Prof. Lee Dongwon*

*Aug 2024*

- Constructed and analyzed a South Korean municipal panel dataset on childbirth incentives and demographic outcomes
- Estimated the causal impact of financial incentives for first- and second-born children on fertility rates

### Numerical Investigation for Economic Modeling Using Python

SKKU

*Undergraduate Research Program with Prof. Lee Junsang*

*Jul 2022*

- Modeled AD-AS dynamics in Python to analyze output under fiscal and monetary shocks
- Simulated effects on equilibrium stability and inflation-output tradeoffs using dynamic visualization tools

## TEACHING EXPERIENCE

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### Introduction to Econometrics

Teaching Assistant

EUR

Feb 2026 - May 2026

### Applied Microeconomics

Teaching Assistant

EUR

Aug 2025 - Nov 2025

- Taught three tutorial groups of approximately 50 students each, delivering a 2-hour session per group each week
- Graded exams, answered student questions, and provided administrative support to the course

## SCHOLARSHIPS & FELLOWSHIPS & AWARDS

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### SKKU-Samsung Scholarship (Full-tuition)

March 2021 - Present

### SKKU Dual-Degree Scholarship (Full-tuition)

Aug 2024 - Present

### Korean Defense Veterans Association Scholarship

Aug 2025 - Present

### Mercatus Center's Don Lavoie Fellowship

Aug 2025 - Present

### SKKU College of Economics Dean's List

Aug 2025

### SKKU Student Success - Creative Leader Scholarship

Jun 2022

### NH Investment & Securities Big Data Competition (Finalist)

Nov 2022

### SKKU Data Science Education Center Director's Award

Jan 2022

\*All scholarships and fellowships awarded upon merit

## MILITARY EXPERIENCE

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### ROK-US Combined Forces Command

Squadron Leader & Military Interpreter, Headquarters Section

Camp Humphreys, Republic of Korea

Jan 2023 - Jul 2024

- Served as primary translator with high-security clearance, supporting interpretation to both nations
- Participated in national-level combined military exercises: UFS 22-2, FS 23-1, and UFS 23-2
- Selected Awards
  - Certificate of Merit. Issued by ROK General Ahn (O-10). For Top Interpreting Agent
  - Certificate of Appreciation. Issued by ROK Major General Seo (O-8). For 24 FS Participation
  - Certificate of Achievement. Issued by US Colonel Marcus T. Franzen (O-6). For Contribution to Army Community
  - Letter of Commendation. Issued by ROK Colonel Kim (O-6). For Expert Rifleman

## SELECTED PROJECTS

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### NH Investment & Securities Big Data Competition (with AIFactory)

Team Leader, Finalist

NH Financial Group

Nov 2022

- Analyzed over 1M real customer transaction records, integrating external market indices for advanced feature engineering
- Designed segmentation models and curated personalized investment strategies for customer clusters using Python
- Advanced to final rounds and presented findings on dormant account activation and overseas equity penetration

### Created Mock Investment Program

Team Leader

SKKU

Nov 2021

- Curated datasets on Korean firms' financials, stock prices, and trading volumes to streamline analysis and data organization
- Engineered mock investment program and developed investor tendency classifying program using Python
- Awarded Data Science Education Center Director's Award

## CONFERENCES AND SEMINARS ATTENDED

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### Behavior, Organisations, and Markets Seminars

Participation

Tinbergen Institute

Ongoing

### Health and Labor Seminars

Participation

Tinbergen Institute

Ongoing

### 14th Dutch Economists Day (Stefanie Stantcheva)

Participation

Royal Dutch Society for Economics

Oct 2025

### Estimating Causal Effects with Panel Data (Guido Imbens)

Participation

Tinbergen Institute

Dec 2024

## EXTRACURRICULAR ACTIVITIES

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### **Economic Faculty Association Rotterdam (EFR)**

*Academic Committee Member*

EUR

*Sep 2025 – Aug 2026*

### **Erasmus Debating Society (EDS)**

*Member*

EUR

*Sep 2025 - Present*

### **Becoming Economists (BE)**

*President*

SKKU

*Sep 2021 - Dec 2022*

- Organized weekly seminars discussing influential papers in microeconomics, macroeconomics, and econometrics
- Launched and organized conferences on double-degree programs, PhD applications, and IMF careers
- Led the club to receive the 2021–2022 Prestigious Study Club Award
- Secured research funding from DB Financial Investment Group and Sungkyunkwan University

### **54th General Student Council**

*Deputy Head of Policy Making Division*

SKKU

*Mar 2022 - Dec 2022*

- Coordinated with university leadership to revise tuition policies and academic management systems

## ADDITIONAL INFORMATION

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English Proficiency: TOEFL 117, TEPS 572 (Grade: 1+ / Percentile: 99.62)

Skills: Programming(Java, Python, STATA, SQL,  $\text{\LaTeX}$ ), Martial Arts(Taekwondo 2nd Dan)

Languages: Korean(Native), English(Fluent), Chinese(Intermediate)

Hobby: Football, Wine, Food, Movies