SeHyoun Ahn

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https://sehyoun.com • https://github.com/sehyoun

WORK EXPERIENCE

Senior Economist at Norges Bank — Oslo, Norway 2017 – Present
RA for Benjamin Moll — Princeton, NJ 2014 – 2017
Mandatory Service — Seoul, Korea 2011–2013
RA for Sylvain Chassang — Princeton, NJ 2011
RA for Markus Brunnermeier and Yuliy Sannikov — Princeton, NJ 2010
Intern at Monitor Group — Seoul, Korea Aug 2009
- Conduct a benchmark analysis to prepare new market strategies for the client
- Research a foreign HVAC market to prepare entry strategies for the client

Statistical Assistant Researcher at Woori America Bank — Virginia, USA Aug 2007 – Sept 2007
- Statistically evaluate the competitiveness of the bank's current credit risk premium
- Statistically estimate changes in the credit risk associated with general economic conditions

EDUCATION

Princeton University Princeton, NJ — 2008 – 2011, 2013 – 2017
PhD Candidate in Economics (Mandatory Service in Korea 2011–2013)
MA in Economics

University of Michigan Ann Arbor, MI — (3 Years) Aug 2005 – May 2008
MS in Mathematics
BS with Highest Distinction
in Economics, Mathematics (with Highest Honors), and Interdisciplinary Physics

HONORS

Towbes Prize for Outstanding Teaching	PU 2015
Princeton University Graduate Fellowship	PU 5 Years
M.S. Keeler Department of Mathematics Merit Scholarship	UM 4 Years (Awarded)
Sumner Myers Award in Analysis	UM 2008
Phi Beta Kappa	2007
James B. Angell Scholar	UM 2007
Department of Mathematics Alumni Scholarship Award	UM 2007
Evelyn O. Bychinsky Awards	UM Math Dept 2007
Valedictorian	Boulder High School 2005

TEACHING

Princeton University	Junior Independent Work (Graduate Advisor)	Fall 2015, Spring 2016
Princeton University	ECON 349: Public Economics (TA)	Fall 2015
Princeton University	ECON 348: Great Depression (TA)	Spring 2014
Princeton University	ECON 300: Intermediate Microeconomics (TA)	Fall 2010, 2013, 2014
University of Michigan	MATH 389: "Mathematical Research" (Mentor/TA)	Winter 2008
University of Michigan	PHYS 453: Quantum Mechanics (Undergraduate TA)	Fall 2007

LANGUAGES

Korean(native), English(fluent)
MATLAB, Python, C/C++, Julia

PROGRAM PACKAGES

Automatic Differentiation (MATLAB with C optimization: available at https://github.com/sehyoun/matlabautodiff)
Linearized Model Solver for Heterogeneous Agent Models (MATLAB at https://github.com/gregkaplan/phact)
Adaptive Sparse Grid Finite Difference Method for Solving HJB Equation (MATLAB)

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