

# SeHyoun Ahn

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

## WORK EXPERIENCE

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**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

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**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

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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

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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

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

## PROGRAM PACKAGES

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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)