

Moon J. Kim

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Education

Pardee RAND Graduate School Ph.D in Policy Analysis	Santa Monica, CA Expected Jun 2023
George Washington University Elliot School of International Affairs M.A. in International Science and Technology Policy	Washington D.C. May 2017
University of Maryland Robert H. Smith School of Business B.S. in Finance and Economics	College Park, MD Dec 2007

WORK EXPERIENCE

RAND Corporation <i>Assistant Policy Researcher</i>	Santa Monica, CA Sep 2018 – Present
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- Analyze datasets and develop statistical models using various techniques such as trend analysis, budget analysis, cost analysis, regression analysis and monte-carlo simulation across various platforms such as R, Stata, and Excel
- Conduct literature review for project related subjects including national security, national security and civil space policies, commercial space market sectors, space technologies and Air Force technologies
- Create datasets for various policy analyses using multiple sources of information
- Write project reports for various clients including U.S. Army, U.S. Air Force, Congress, U.S. Federal Aviation Administration, and other U.S. government entities

National Aeronautics and Space Administration <i>Resource Analyst</i>	Greenbelt, MD Feb 2016 – Aug 2018
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- Created and analyzed budget profiles and performed cost studies for space flight mission, Restore-L, throughout various parts of project life cycle, including Key Decision Points, Planning Programming, Budget, and Execution processes, and required mission-level reviews
- Created and managed financial reports for cost and budget requirements in various levels of project for presentations to stakeholders including center management, senior agency management, and standing review boards for adequate decision making to meet project and agency objectives
- Consolidated segmented budget and cost data into integrated budget profile and verified estimates by validating assumptions and evaluating feasibility with respect to available capital and labor resources
- Implemented Earned Value Management with integrated budget and schedule analysis as decision support tool to adequately measure project performance throughout project life cycle
- Monitored contract performance to verify contractors' adherence to accountabilities and responsibilities per provisions of contracts and Federal Acquisition Regulation
- Obtained, compiled, analyzed, and summarized factual narrative information and quantitative data for use within various levels of the agency, including project, division, directorate, and center, to recommend and justify reprogramming actions concerning realigning resources for entire project
- Created monthly phasing plans to forecast project's financial obligation with details such as labor and procurement requirements, and presented to mission directorate for funding for operational stability

Morgan Stanley & Co. International plc Seoul Branch <i>Associate of Institutional Securities Group Operations</i>	Seoul, South Korea Aug 2011 – Jul 2015
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- Analyzed trading activities averaging over \$500,000,000 in value per day for multi-purpose analyses such as market versus internal records reconciliation, transaction data monitoring, and cost and operational efficiency management

- Created and managed regulatory reports on firm's treasury bond trades and stock lending and borrowing trades for submission to financial regulators, including the Bank of Korea, to comply with government policies and regulations and to ensure accuracy of data for adequate economics analyses
- Managed trade support team specializing in trade processing, client management, and monitoring of daily equity trades to ensure continuing operation and compliance to internal and external regulation
- Supported sales and trading desk by administering quality account management and managing all post-execution requests including delivering trade confirmation and regulatory reports to clients
- Participated in inter-departmental, multi-regional projects, such as SEC 15A6 Regulatory Policy Change Adaptation and applying for new licenses to pursue new trading strategies, by analyzing internal capacity for operational stability and ability to generate required trading records for accounting and regulatory purposes to provide confidence to regulators that firm has capability to support such activities and not create risk to the overall market

Morgan Stanley Asia Limited

Hong Kong

Global Banking Operations – Associate

Jun 2010 – Aug 2011

- Assisted global capital markets trading desk in drafting and reviewing credit agreements to better ensure supportability of primary loan market activities
- Processed corporate loans into company database by carefully dismantling credit agreements and inputting each relevant aspects to make certain that risk, pricing, and exposure are correctly reflected
- Supported credit team and capital commitment committee in evaluating the creditworthiness and performance of clients for loan syndication using financial models and macroeconomic analyses
- Supported fixed income sales and trading desk through system settlement and reconciliations on secondary par and distressed debt trading activity
- Directed inter-company groups on administration of credit restructurings in system, including calculating and analyzing prices to maintain desired profit and loss and monitored profit and loss implications of market activities, such as amendments, tender offers, and restructurings
- Oversaw documentations database for primary loan business as gatekeeper of flow of information from facility agents to business units and administered timely receipt and distribution of required company reports from borrowers such as annual and quarterly financial reports

Morgan Stanley

Baltimore, MD

ISG Banking Operations – Global Loan Servicing Analyst

Jun 2008 – Jun 2010

- Oversaw all related servicing administration of a syndicated bank debt portfolio totaling 338 deals
- Led interdepartmental initiatives to process complex corporate events including exit financings, corporate restructurings, Chapter 11 filings, distributions, and amendments to credit agreements
- Developed group's procedure surrounding administration for deals with pricing structures that exceed limitations of firm's operating and accounting systems
- Reconciled past due balances and cash breaks through coordination with internal and external contacts, quantitative analysis, and team work

PUBLICATION

Selected RAND Reports

Miller, Benjamin, Debra Knopman, Liisa Ecola, Brian Phillips, **Moon Kim**, Nathaniel Edenfield, Daniel Schwam, and Diogo Prosdocimi. "If You've Seen One Airport, You've Seen One Airport: Past, Present, and Future of U.S. Aviation Infrastructure Funding: Report to Congress Pursuant to Section 122 of the 2018 Federal Aviation Administration Reauthorization Act." RAND Corporation, RR-3175-FAA, 2019.

Triezenberg, Bonnie, Colby P. Steiner, Grant Johnson, Jonathan Cham, Eder Sousa, **Moon Kim**, and Mary Kate Adgie. "Assessing the Impact of U.S. Air Force National Security Space Launch Acquisition Decisions: An Independent Analysis of the Global Heavy Lift Launch Market." RAND Corporation, RR-4251-AF, 2019.

Academic Journal

Kim, Moon J. "The Potential Speculative Bubble in the United States Commercial Space Launch Industry and the Implications to the United States." *New Space*, 6(2), 2018, 156-183.

Book

Kim, Moon J. *Jin-jja Narosugi 진짜 나로서기 [To be the Real Me]*. 2018. Seoul, South Korea: For Book Publication

Selected Magazine Articles

Kim, Moon J. "Uju-jeongchaeg-iran mueosinga?" 우주정책이란 무엇인가? [What is Space Policy?]. *Wolgan Jibang-jachi 월간 지방자치 [The Monthly Local Autonomy]*, June 2017, 112-113.

Kim, Moon J. "Uju-gaebal – gyeongjaeng-gwa hyeopryeok" 우주개발 – 경쟁과 협력 [Space Development – Competition Versus Collaboration]. *Wolgan Jibang-jachi 월간 지방자치 [The Monthly Local Autonomy]*, July 2017, 116-117.

Kim, Moon J. "Gukga Uju Wiwonhoe" 국가우주위원회 [National Space Council]. *Wolgan Jibang-jachi 월간 지방자치 [The Monthly Local Autonomy]*, August 2017, 114-115.

Kim, Moon J. "Uju-gaebal min-gwan-hyeop-ryeok saeop" 우주개발 민관협력 사업 [Public Private Partnership in Space Development]. *Wolgan Jibang-jachi 월간 지방자치 [The Monthly Local Autonomy]*, November 2017, 118-119.

Kim, Moon J. "Uju-gaebalsaneop-gwa jeongbu-ui sijanggaep" 우주개발산업과 정부의 시장개입 [Space Development Industry and Government Intervention]. *Wolgan Jibang-jachi 월간 지방자치 [The Monthly Local Autonomy]*, December 2017, 114-115.

Skills

Technical Skills: Cost and budget analysis, financial forecast, life-cycle cost estimation, federal budget formulation, monte-carlo simulation, machine learning, supervised and unsupervised learnings, and various statistical analyses

Programming Skills: R and Stata

Languages: Fluent in English and Korean

DISTINCTIONS AND AWARDS

Director of Pardee RAND Graduate School Team Wavestorm Surf Student Association

Mentor of the Korean Economics and Business Student Association at the University of Maryland

Member of the NASA Goddard Asian Pacific American Advisory Committee

President of the Korean Graduate Student Association at the George Washington University

President of the George Washington Space Society

Founder and President of Morgan Stanley Seoul Bowling Club

Member of Morgan Stanley Asia Branch Operations Social Committee representing South Korea

Member of Morgan Stanley campus recruiting team for the University of Maryland

Co-founder of the Korean International Student Association at the University of Maryland