Cover Letter

I first became interested in entrepreneurial finance when I encountered the talk on competition in a capitalist economy by Professor Luigi Zingales at Chicago Booth. One of his remarks, which strongly drew my attention, is that "today's monopolies are yesterday's start-ups". Reflecting on this comment made me realize again that all firms we observe in the real world are initiated by entrepreneurial spirit, and I was naturally intrigued by the notion of entrepreneurship and its importance. My interest in the area has increased through questions such as: why do some start-ups grow to become monopolies such as Google while others don't or what are the trade-offs between the benefits and costs associated with being private versus public. Unfortunately, since a PhD level class on entrepreneurial finance is not taught at UW, I have always had the desire to learn the research in the area from the top scholars in a systematic manner. I have no doubt that the NBER boot camp will give me a great opportunity to study the leading research topics in the areas of the economics of entrepreneurship and entrepreneurial finance.

Information on the Applicant:

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Information on the Recommendation Letter Writer:

Jarrad Harford

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Last Updated: September 2017

EDUCATION

University of Washington, Michael G. Foster School of Business — Seattle, WA, USA
Ph.D.in Finance, 2020 (expected)

Korea University, Korea University Business School — Seoul, Korea
Doctoral Studies in Finance, 2013 – 2015
M.S. in Finance, 2013
B.B.A. (Minor in Mathematics), 2010

RESEARCH INTERESTS

Entrepreneurial Finance, Corporate Finance / Governance, M&A, Political Economy

PUBLICATIONS

"Liquidity and Credit Risk Before and After the Global Financial Crisis: Evidence from the Korean Corporate Bond Market" (with Baeho Kim), 2015, *Pacific-Basin Finance Journal* 33, pp. 38-61.
- Published based on my master thesis at Korea University Business School

WORKING PAPERS

"Momentum Effect, Foreign Investor, and Business Cycle"

FELLOWSHIPS, SCHOLARSHIPS AND AWARDS

Marquis Who's Who in the World, 2018
Evert McCabe Endowed Fellowship Program in Private Enterprise, 2017
Ph.D. Program Fellowship (Foster School of Business, University of Washington), 2015 – 2016
Brain Korea 21 *Plus* Research Fellowship (South Korean Government), 2014
Fullbright Graduate Study Award Nominee, 2013
Scholarship/Fellowship (Korea University Business School), 2007 – 2015

PROFESSIONAL ACTIVITIES

Ad-hoc Referee: Emerging Markets Finance and Trade (2015)

Conference Discussant: Korea Derivatives Association Fall Conference (2013)

SEMINARS, CONFERENCES AND WORKSHOPS

2017: University of Michigan Summer School on Structural Estimation in Corporate Finance, Washington University Summer School on Liquidity in Financial Markets and Institutions

2016: University of Washington Ph.D. Brown Bag Seminar

2015: Korea University Business School

2013: Korea University Business School, The 9th Annual Conference of Asia-Pacific Association of Derivatives, Korean

Finance Association Fall Conference, Korea Derivatives Association Fall Conference

RESEARCH AND TEACHING EXPERIENCE

University of Washington, Foster School of Business

Reseach Assistant for Professors William Bradford, Jonathan Brogaard, Kathryn Dewenter, Ran Duchin, Jarrad Harford, Edward Rice, Mark Westerfield

Teaching Assistant for Professors Kathryn Dewenter, Jarrad Harford, Paul Malatesta, Andreas Stathopoulos, Yao Zeng

Korea University, Korea University Business School

Research/Teaching Assistant for Professors Byoung-Hyoun Hwang (Main Affiliation: Cornell University) and Bumjean Sohn

Finance Database Assistant / Tutor / Major Learning Assistant

West Virginia University

Undergraduate Research Assistant for Professor Hyungna Oh
Project: A Micro-simulation Approach to Evaluate Regional Economic Policies

PUBLISHED CASE STUDIES

"Fund Performance Evaluation," *The Way to Enterprise Administration*, 2015,
The Institute for Business Research and Education of Korea University Business School & The Federation of Korean Industries

"Valuation for the IPO of Cuckoo Electronics Co., Ltd.," *The Way to Enterprise Administration*, 2015,
The Institute for Business Research and Education of Korea University Business School & The Federation of Korean Industries

"The Three Issues surrounding Lone Star Fund," *The Way to Enterprise Administration*, 2012,
The Institute for Business Research and Education of Korea University Business School & The Federation of Korean Industries

"Transparent Management, Corporate Governance, and Firm Value," *The Way to Enterprise Administration*, 2012,
The Institute for Business Research and Education of Korea University Business School & The Federation of Korean Industries

WORK EXPERIENCE

Asian Institute of Corporate Governance (Seoul, Korea), Assistant, 2011-2012
Hyundai Motor Company (Istanbul & Izmir, Turkey), Intern, Summer 2007
Republic of Korea Army, Sergeant (Honorable Discharge), 2003 – 2005

Completed Ph.D. Courses at University of Washington (Seattle, WA)

MICROECN ANLYS I (ECON 500)

MICROECN ANLYS II (ECON 501)

MICROECN ANLYS III (ECON 508)

MACROECN ANLYS I (ECON 502)

MACROECN ANLYS II (ECON 503)

MACROECON ANLYS III (ECON 509)

ECONOMETRICS I (ECON 580)

ECONOMETRICS II (ECON 581)

ECONOMETRICS III (ECON 582)

ECONOMETRIC THY I (ECON 583)

PROBS IN MICROECON (BA 580)

DATA ANALYSIS (PPM 512)

INTERNATL FINANCE (ECON 572)

DOC SEM IN FIN ECON (FIN 580)

CAPITAL MARKET THRY (FIN 590)

CORPORATE FINANCE (FIN 591)

FINANCIAL RESEARCH (FIN 592)

Selected Completed Ph.D. Courses at Korea University (Seoul, Korea)

REAL ANALYSIS I (MTH502)

REAL ANALYSIS II (MTH603)

PROBABILITY I (MTH505)

PROBABILITY II (MTH609)

Essay for 2018 NBER Entrepreneurship Research Boot Camp

Name: David Shin
Finance Ph.D. Student at University of Washington

My career goal is to become a top researcher in the field of entrepreneurial finance. In this essay, I would like to describe why I want to attend the boot camp with a brief description of my current and future research directions.

I first became interested in entrepreneurial finance when I encountered the talk on competition in a capitalist economy by Professor Luigi Zingales at Chicago Booth. One of his remarks, which strongly drew my attention, is that "today's monopolies are yesterday's start-ups". Reflecting on this comment made me realize again that all firms we observe in the real world, regardless of whether they are large or small, are initiated by entrepreneurial spirit, and I was naturally intrigued by the notion of entrepreneurship and its importance. My interest in the area has increased through questions such as: why do some start-ups grow to become monopolies such as Google while others don't or what are the trade-offs between the benefits and costs associated with being private versus public.

Since then, I have worked on developing my knowledge in entrepreneurship, reading various articles available online. I could gain some knowledge in the field on my own, but I always feel like there is something missing, which I do not know yet at my current stage. Further, since a PhD level class on entrepreneurial finance is not taught at UW, I have always had the desire to learn the research in the area from the top scholars in a systematic manner. I have no doubt that the NBER boot camp will give me a great opportunity to study the leading research topics in the areas of the economics of entrepreneurship and entrepreneurial finance.

Currently I have no working paper on entrepreneurial finance, but I am interested in the role of private equity (venture capital) investments on the economy during the recent financial crisis. One

interesting paper written by Bernstein, Lerner, and Mezzanotti (WP 2017) reports that PE-backed companies decreased investments less than non-PE-backed companies during the 2008 financial crisis. Lerner, Sorensen, and Stromberg (2011) argue that PE investors boost innovation and discipline among their portfolio companies by relieving managers of the short-term pressure of displaced shareholders. Combining these two papers, I would like to explore how PE investors impact firms' innovation activities during the crisis. Furthermore, I am also interested in investigating how the effect of PE investments on the nature and trajectory of innovation vary before, during and after the crisis.

Next, there is mixed evidence of the impact of the legal environment on innovation. For example, Atanassov (2013) reports that innovation falls in states that pass antitakeover laws and argues that the negative impacts of managerial entrenchment dominate the potentially positive effects of promoting exploration while Chemmanur and Tian (2012) show that antitakeover provisions promote innovation. Through the NBER boot camp, I hope to find a new research idea to help develop our understanding in the literature.

Other topics of interest to me include the interaction between micro level (i.e., individual firm level) studies of innovation and the macroeconomic environment, the various aspects of multistage financing and their impact on young firms' innovation, and a role for debt financing related to innovation (e.g., banks lending and monitoring).

I look forward to participating in the NBER boot camp this year and hope to produce high quality papers on the areas of the economics of entrepreneurship and entrepreneurial finance.

FOSTER SCHOOL OF BUSINESS

March 28, 2018

Professor David Robinson
Fuqua School of Business
Duke University
100 Fuqua Drive
Durham, NC

Dear David,

I am writing to nominate my student Dongheon (David) Shin for the NBER Entrepreneurship Boot Camp this summer. David is in his third year, having done very well in his course work and then passing his qualifiers. He has talked to me about his interest in entrepreneurial finance topics. We do not offer a PhD class on Entrepreneurial Finance topics here, so the boot camp seems like a great opportunity for him. As for David, he is extremely hard-working and serious. He generates a lot of ideas, some of which are about as bad as you might expect from a young PhD student, but many have merit. The important part is that he's generating them, not just spinning his wheels.

Recommendation letters at this stage are difficult; I'm not going to write a bunch of empty superlatives about an unknown quantity. David is a promising 3rd-year student, but I have no idea how he will turn out. What I do know is that he works very hard, is interested in entrepreneurship, and is at exactly the point in his development as a scholar where this kind of camp could be pivotal, so it would be great if you had a spot for him.

Sincerely,



Jarrad Harford
Paul Pigott - PACCAR Professor of Finance