Application for NBER Economics of AI Tutorial, Sept 22, 2021

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I have completed all my graduate coursework, and I will be in the fourth year of my PhD by the time this tutorial starts. I have taken the graduate sequences in microeconomics and econometrics. I have also taken seminars in strategy, organizational theory, entrepreneurship, the economics of AI, innovation/ technological change and social networks, and additional methods courses in research design and time series econometrics

I want to participate in the PhD tutorials for several reasons. First, I think that it will help me think through some challenging aspects of my dissertation, which will be focused on entrepreneurship around AI. Next, I am interested in being a part of this community of scholars. Lastly, I have had a great experience in the other NBER tutorials on digitization and entrepreneurship – I assume this would be a similarly good experience.

Interest in AI:

Over the past several years, I have become increasingly interested in how AI startups use training data to develop their products. This setting is particularly fascinating to me as it highlights the use of data as a direct (and iterative) input in production. Data and data-related resources are incredibly valuable to these young firms and to the nascent AI production industry's development.

At NYU Stern, I work with my advisor, Robert Seamans, on several projects that examine the organizational impacts of AI, based on our annual AI startup survey. My dissertation focuses on how resource-sharing from cloud services providers (CSPs) impacts the entry of startups, innovation around AI development, and exit opportunities. The largest CSPs share tons of process-related resources through their outreach and accelerator programs which impact industry development, lower barriers to entry so that startups can enter the industry and focus on product development. The rest of my research focuses on using digital communications metadata to study the impact of key organizational events (CEO change, COVID).

I previously worked at Microsoft Corporation, which enabled me to learn about technological product development, marketing, and sales. As I complete the PhD, I continue to collaborate with large high technology companies to access the data and expertise needed to test theories and advance my research.

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RESEARCH INTERESTS

Digitization, Entrepreneurship, Impact of Technological Change (AI)

EDUCATION

2018 - New York University, New York, New York
Ph.D. Candidate, Strategy, Stern School of Business

2016 The University of Chicago, Chicago, Illinois and London, UK
MBA, Booth School of Business

2010 Duke University, Durham, North Carolina
MA, Economics

2007 University of Georgia, Athens, Georgia
BBA, Finance, Summa Cum Laude, 3.97/4

PUBLICATIONS

2020 Impink, S. M., Prat A., and Sadun, R. (2020). Measuring Communications in Modern Organizations, AEA Papers & Proceedings.

WORKING PAPERS

2021 Impink, S. M., Prat A., and Sadun, R. (2021). Communication within Firms: Evidence from CEO Turnovers

Bessen, J., Impink, S., Seamans, R., and Reichensperger, L. (2021). Barriers to Growth in Developing AI. Under Review, Research Policy.

2020 DeFilippis, E., Impink, S. M., Singell, M., Polzer, J. T., and Sadun, R. (2020). Collaborating During Coronavirus: The Impact of COVID-19 on the Nature of Work. http://dx.doi.org/10.2139/ssrn.3654470

Bessen, J., Impink, S., Seamans, R., and Reichensperger, L. (2020). GDPR and the Importance of Data to AI Startup, Available at SSRN 3576714.

2018 Bessen, J., Impink, S., Seamans, R., and Reichensperger, L. (2018). The Business of AI Startups, Boston University School of Law, Law and Economics Research Paper No. 18-28, https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3293275

EXPERIENCE

2011-2018 Microsoft Corporation, Senior Manager
Held various roles in global marketing and sales strategy located in Seattle and Singapore focused on device manufacturer relationships.

2016-2017 Harvard University, Graduate School of Arts & Science, Weatherhead Fellow
Research collaboration with Microsoft focused on transnational issues in intellectual property in emerging markets, and topics in technology policy, civic engagement, and data security.

2018-2020	Microsoft Corporation, Human Resources, Visiting Scholar
2019-	Boston University School of Law, Technology and Policy Research Initiative, Affiliate
2020	New York University, Graduate Research Institute, Fellow in Berlin, Germany