ECONOMICS OF DIGITIZATION MEETING — APPLICATION

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I am a second year economics PhD student at UC Berkeley. I have finished the core sequences in microeconomics, macroecomics, econometrics and economic history. Also, I have completed the full year graduate sequence in Psychology and Economics (with Matthew Rabin and Stefano DellaVigna) as well as field courses in labor economics (with David Card and Jesse Rothstein) and a graduate level course on Machine Learning. I am prepared and excited to do independent research.

Digitization is the the Industrial Revolution of my generation. I believe it has started affecting society and will continue to do so in the next decades. Let me give you two examples to illustrate the kind of questions that fascinate me about digitization.

Tracking of Labor Inputs

Digitization made it possible for individuals to collaborate remotely. A nice feature of remote collobaration is that individual contributions are recorded. For instance, in software development version control systems track each programer's code contribution to a project. This facilitates fine grained measurements of a worker's marginal product. In classical models we would believe that better monitoring leads to higher worker volatility, higher wage discrimination and new signalling incentives. High resolution data allows us to test these models on a precise scale.

Volunteering for Communities

The internet has given rise to communities that harvest expert knowledge from a large group of people (Wikipedia, Stackexchange) or collaborate on product development (GitHub). Many participants invest multiple hours of unpaid work in these communities, sometimes despite having the possibility of being paid to do so. What drives individuals to donate their time and work? What are the effects of volunteering on a volunteer's labor market outcomes? We still lack good models to answer these questions, but digital communities now give us the data.

I am excited to learn more about this young research branch and would be excited to participate at the Economics of Digitization meeting in March.

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EDUCATION University of California, Berkeley

> Ph.D. Student in Economics since Fall 2014

University of Mannheim

Master of Science Economics (with distinction) August 2011 – July 2013

University of California, Berkeley

Exchange year, graduate coursework in Microeconomics,

Macroeconomics and Psychology & Economics August 2011 - May 2012

University of Mannheim

Bachelor of Science Economics August 2008 – July 2011

University of Copenhagen

Exchange semester (Erasmus), graduate coursework Fall 2010

Goethe University Frankfurt

Schülerstudium (pupil studies)

Exams in economics and business informatics 2005 - 2006

University of Chicago Professional EXPERIENCE

Becker Friedman Institute Research Professional, Prof. Emily Oster September 2013 – May 2014

University of Mannheim

Teaching assistant, Principles of Economics Fall 2012

AXA Konzern AG

Internship, Value- and Risk Management June – August 2010

Analysis and consolidation of two data conversion systems.

University of Mannheim

Research assistant, Prof. Uta Pigorsch February – June 2010

Analysis of S&P 500 data, generation of representative portfolios.

Deutsche Bank AG

Internship, Inhouse Consulting July – August 2007

Data analysis for growth initiative in corporate clients sector.

Interactive Data Managed Solutions AG

Internship, Product Management June – August 2006

Programming a PHP demo application for the bond search engine.

Social Member of the student council (2008–2013).

Commitment Vice President of residence hall with 400 occupants (2008/09).

Languages German (native), English (fluent), Latin (*Latinum*).

Programming Python, Prolog, Perl, R, Stata, Matlab.

Doctoral scholarship, Graduate School of Economic and Social Sciences, Mannheim (2012/13). Scholarships

DAAD scholarship for one year exchange at University of California, Berkeley (2011/12).

Gebührenstipendium (tuition scholarship), University of Mannheim (2009/10).

Scholar of the German National Academic Foundation (2010–2013).