ISHAN D. GHOSH

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SUMMARY OF PROFILE

A graduating Ph.D. candidate in Economics with industry experience and a proven ability to conduct novel empirical research involving large scale data with significant implications for economic analysis, public policy and quantitative modeling. As a Special Sworn Status (SSS) researcher, I have more than four years of experience in handling restricted-use confidential firm and individual level microdata to build and estimate interpretable statistical models, using both regression and structural econometric methods.

EDUCATION

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Drexel University |  |  |  | September 2014 – Present |
| Ph.D. in Economics  *Primary Field(s):* |  |  |  |  |
| International Trade, Industrial Organization  **Estimated Graduation Data: June 2020** | |  |  |  |
| State University of New York at Buffalo | |  |  | August 2012 – May 2014 |
| Master of Science (MSc) in Economics  *Thesis Specialization*: International Economics | |  |  |  |
|  | |  |  |  |
| University of Calcutta, Kolkata, India | |  |  | July 2008 – May 2011 |
| Bachelor of Science (BSc) in Economics  Minors: Mathematics and Statistics | |  |  |  |
| EMPLOYMENT HISTORY |  |  |  |  |
|  |  |  |  |  |
| Dimensional Fund Advisors |  |  |  | June 2019 – Aug 2019 |
| *Ph.D. Research Intern*  *Equity Research* | |  |  |  |
| Liazon, Buffalo  *Data Analyst Intern* | |  |  | June 2014 – September 2014 |
| SKILLS |  |  |  |  |
|  |  |  |  |  |
| Regression Analysis | Applied Econometrics |  |  | Equity Research |
| Structural Estimation | International Trade |  | Discrete Choice Models | |
| Data Management | Industrial Organization |  | Dynamic Programing | |

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| --- | --- | --- | --- | --- |
| SOFTWARE |  |  |  |  |
|  |  |  |  |  |

*Advanced:* SAS, STATA, MATLAB, LATEX

*Intermediate:* R, SQL

RESEARCH EXPERIENCE (Selected Works)

* *[Offshoring, R&D and Productivity Growth: Evidence from U.S. Census Microdata (](https://www.ishanghosh.com/files/JMP_draft_overleaf.pdf)****[Job Market Paper](https://www.ishanghosh.com/files/JMP_draft_overleaf.pdf)****[)](https://www.ishanghosh.com/files/JMP_draft_overleaf.pdf)*

This paper studies the impact of foreign input sourcing on R&D expenditures and quantifies their complementary effect on firm performance. Using confidential firm-level microdata from the U.S. Census Bureau, I first use a shift-share designed instrument to exploit exogenous variation in offshoring and show that foreign intermediate sourcing is associated with increased domestic R&D expenditures. Second, I build and estimate a structural dynamic model of R&D investment, in which a decline in the relative cost of imported intermediates leads to an increase in R&D investment and thus endogenously, an increase in firm productivity. I then use the estimated model to quantify the effects of a (not so) counterfactual increase in price adjusted quality advantage of foreign intermediates and find that firm productivity growth is positively affected, partly due to the increase in static gains from offshoring and partly due to the resultant higher endogenous participation in R&D. Structurally estimated decline in the relative price of imported intermediates has a significant positive impact on firm performance equivalent in magnitude to that of a 25% R&D fixed cost subsidy.

* *[Productive Offshoring: Evidence from Spain](https://www.ishanghosh.com/files/Ghosh_Ishan_Paper_draft.pdf)*
* *[Gender Inequality in the Aftermath of Negative Trade Shocks: Evidence from U.S. (with M. Larch, I. Murtazashvilli and Y.Y. Yotov)](https://ideas.repec.org/p/ris/drxlwp/2018_009.html)*

WORK IN PROGRESS

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| --- | --- | --- | --- | --- | --- | --- | --- |
| *Geography of Entrepreneurship: Evidence from NETS data (with Andre Kurmann)*  TEACHING EXPERIENCE | |  |  |  | | | |
|  | |  |  |  | | | |
| Instructor (Sole Responsibility) | |  |  |  | | | |
| ECON 201 - Principles of Microeconomics, Fall 2018 | |
| Evaluations: 3.69/4 | |  |  | |  | | | |
| AWARDS AND HONORS |  |  |  | |  | | | |
|  | |  |  |  | | | |
| Ewing Marion Kauffman Foundation Award ($128,385) | |  |  | 2019 - 2020 | | | |
| Drexel University Dragon Scholarship | | 2014 - 2019 | | | |
| International Conference Travel Award | |  | 2017, 2019 | | | |
| Domestic Conference Travel Award | |  | 2017, 2019 | | | |
| NBER Entrepreneurship Bootcamp Scholarship | |  | 2016 | | | |

OTHER INFORMATION

Citizenship: Indian

VISA Status: F1

Ph.D. degree recognized under STEM (3 Year OPT)

Languages: English (native), Bengali (native), Hindi (fluent)

References

|  |  |
| --- | --- |
| Professor Andre Kurmann | Professor Yoto V. Yotov |
| School of Economics  Drexel University | School of Economics Drexel University |
| <ak3386@drexel.edu> | <yvy23@drexel.edu> |
|  |  |
| Professor Philip Luck |  |
| Department of Economics |  |
| UC, Denver  <Philip.luck@ucdenver.edu> |  |