

# Ian McGroarty

imcgroarty429@gmail.com | 856.332.9049

## EDUCATION

### JOHNS HOPKINS: WHITING SCHOOL OF ENGINEERING

GRADUATE CERTIFICATE: SECURITIES  
Grad. August 2020

### HAVERFORD COLLEGE

B.S.: MATHEMATICAL ECONOMICS  
Grad. May 2017

## COURSEWORK

Advanced Macro & Micro Economics  
Economic Development  
Microfinance  
Political Economy  
Econometrics  
Multivariate Calculus  
Linear Algebra  
Real Analysis I & II  
Investment Science  
Monte Carlo Methods  
Financial Derivatives

## SKILLS

### PROGRAMMING

Advanced Proficiency:

- Spark • R • Stata • SAS
- SQL •  $\text{\LaTeX}$

• MSOffice: Excel, Word, Powerpoint

Familiar:

- Python • Bash • HTML • MatLab
- Bloomberg Terminal

### LANGUAGE

Native:

- English

High Proficiency:

- Spanish

## EXPERIENCE

### FEDERAL RESERVE BANK OF PHILADELPHIA | SENIOR RESEARCH ASSISTANT FOR THE CONSUMER FINANCE INSTITUTE

May 2018 – Present | Philadelphia, PA

- Assisted with data collection, report automation, and data analysis for multiple consumer credit research projects.
- Supported the publication of two research papers and co-authored to articles.
- Managed large data-sets and conducted complex analysis in multiple coding languages.
- Designed and implemented a Covid-19 impact report to assess the effect of the pandemic on credit card behavior.

### ALTERNA IMPACT | DATA ANALYST FELLOWSHIP

Sept. 2017 – April 2018 | Xela, Guatemala

- Designed and implemented data management work flow to analyze firm growth and impact.
- Wrote external status reports for external funders.
- Created internal reports for monitoring and evaluation of client contact and satisfaction.

### HAVERFORD MICROFINANCE CONSULTING | EXECUTIVE DIRECTOR

May 2015 – Dec. 2016 | Philadelphia, PA

- Presented at National Lend for America Conference.
- Organized and led countless meetings and internal events.
- Fostered a relationship with KIVA and served as a trustee for 3 small entrepreneurs.
- Led corridor walks through business districts to conduct surveys of small business owners.

### FEDERAL RESERVE BANK | RESEARCH INTERN FOR RADAR

May 2016 – Jan. 2017 | Philadelphia, PA

- Conducted analysis of national home equity lines of credit using SAS and SQL tracking borrower behavior near the end of draw period.
- Performed and drafted a literature review on evaluating credit risk.
- Supported daily efforts relating to Risk Assessment, Data Analysis, and Research.

## PUBLICATIONS

McGroarty, Ian, and Larry Santucci. "Destination Graduation: Secured Credit-Card Graduations Are on the Rise." International Banker. Summer 2019.

McGroarty, Ian. "Secured Credit Cards." Federal Reserve Bank of Philadelphia, Consumer Finance Institute, CFI in Focus. September 2019.

McGroarty, Ian. "Property Emulation: Consumption Externalities in Renovation Decisions". Haverford College, Senior Thesis. May 2017.