



## EDUCATION

- 2017
- Northwestern University**, Evanston, IL  
Bachelor of Science - Industrial Engineering and Management Sciences  
Minor - Economics  
Kellogg Certificate Program for Undergraduates - Managerial Analytics



## EXPERIENCE

- July 2017 - Present
- Synchrony Financial**, Chicago, IL / Stamford, CT  
**Data Scientist - Business Leadership Program**
- Leverage big data technologies in Hadoop ecosystem to facilitate data-driven decision making
  - Utilize algorithms such as random forests, gradient boosted classifiers, and neural networks for supervised learning in areas such as fraud detection and customer satisfaction prediction
  - Engineer software for company's data science pipeline to enhance ease of use and speed to market
  - Won first place in company-wide, Kaggle-style data science competition to predict customer calls
- June 2016 - August 2016
- Synchrony Financial**, Chicago, IL  
**Data Science Intern - Business Leadership Program**
- Developed Proof of Concept for emerging technologies in the big data space
  - Utilized tools such as Spark and Hive to manipulate and harness large datasets in excess of 5 TB
  - Constructed predictive model for call routing; annual estimated savings of \$10.1 MM from reduced agent workload
- June 2015 - August 2015
- Grainger Industrial Supply**, Chicago, IL  
**Technical Product Manager Intern**
- Used analytical skills to drive direction of eCommerce development in a technical product manager role
  - Increased mobile app's barcode scanner success rate 138% via implementation of error handling
  - Utilized Adobe Analytics to track metrics such as traffic, exit rate, conversion rate, and average order value and prioritize areas of redesign within Order History and Required Accessories pages of Grainger.com; developed redesign proposals and presented to Product Owners
- January 2015 - June 2015
- United Airlines**, Chicago, IL  
**Internal Consulting Intern - Continuous Improvement and Enterprise Optimization**
- Implemented new checked bag routing method at EWR (Newark, NJ) to consolidate work and minimize staffing needs
  - Built multiple Excel VBA based tools including: Boeing 757 Boarding Simulation Input Generator, Suggested Staffing Tool, Batch Running Tool, and Short Term Planning Tool Dashboard Summary
- June 2015 - August 2015
- HD Supply Facilities Maintenance**, Northlake, IL  
**Distribution Center Operations Intern**
- Developed optimization analysis procedure for product arrangement on pallets; implementation resulted in 9.47% increase in utilized storage bin volume
  - Created a standard operating procedure that was presented to leadership team for company-wide implementation



## SKILLS AND INTERESTS

**Technical:** Python, SQL, Spark, C++, R, Scala, HTML/CSS, Git, Agile Methodology

**Multimedia:** Adobe Photoshop, Adobe Premiere

**Language:** Conversant in Spanish

**Interests:** Marathon-running, skiing, hiking, soccer, baseball, graphic design