

# Matthew Paley

Columbus, OH | E-Mail: matthewpaley@gmail.com

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## Relevant Skills

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- R, SQL, Power BI, Azure, Python, VBA, Excel, Google Analytics, Access, Tableau, Java

## Work Experience

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### DHL Supply Chain

Columbus, OH

- **Data Scientist/Senior Business Data Analyst** *November 2019 – Present*
  - Built and productionized classification model in R and Azure Machine Learning to predict inventory discrepancies in warehouse, leading to over \$500,000 saved in four months
  - Analyze 2020 recruiting and marketing in R and Power BI to develop 2021 targeted marketing plan
  - Implement time series forecasting in Python to determine future volume demand and labor needs
  - Design model in R to predict associate turnover and identify the factors contributing to turnover
  - Executed stored procedures in MS SQL Server to automate table updates with Azure Data Factory
  - Utilize Azure DevOps for project management and task tracking
- **Business Data Analyst** *July 2018 – November 2019*
  - Provided start-up support and established reporting capabilities at new warehouses
  - Developed and maintained automated reporting tools in Excel with VBA
  - Created ad-hoc reports to inform operations team about current state of the warehouse
  - Implemented market basket analysis in R to assist with product slotting in warehouse
  - Assembled labor plan and assisted finance team in modeling \$11 million labor budget
  - Led daily customer calls reviewing prior day's performance
- **Business Data Analyst Intern** *May 2017 – August 2017*
  - Built machine learning model to predict whether an associate will get hired for peak season
  - Constructed simulation model to optimize warehouse efficiency
  - Visualized DHL recruiting trends through Power BI dashboard

### The Ohio State University CSE Department

Columbus, OH

- **Lab Consultant and Grader** *January 2017 – May 2018*
  - Helped students develop skills in Microsoft Excel and Access
  - Developed creative strategies to teach software programs to business students

### Camp Wise

Chardon, OH

- **Programming Specialist** *June 2013 – August 2016*
  - Planned and led activities for 100+ middle school aged campers each night
  - Managed 30 staff members in planning, carry out, and debrief of daily programs
  - Strengthened skills in communication, leadership, teamwork, and problem solving

## Activities and Involvements

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### NBA Hackathon

New York, NY

- **Basketball Analytics Track Participant** *September 2017*
  - Analyzed 20 years of NBA play-by-play data in R to develop a new in-game rule about free throws
  - Constructed model to accurately track and predict when "runs" will occur in a game

### Zeta Beta Tau Fraternity

Columbus, OH

## Education

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### The Ohio State University

Columbus, OH

- **Max M. Fisher College of Business** *August 2014 – May 2018*
  - B.S.B.A. Management Information Systems
  - Business Analytics Minor
  - 3.584 Cumulative GPA - Cum Laude