

# Robert W. Smith

3336 Dowling Drive – Fairlawn, OH 44333

📞 (513) 319-0393 • ✉ robert.w.smith08@gmail.com

## Objective

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Creative data science professional with strong engineering and communication skills seeking to join a team with opportunities for growth and leadership development.

## Experience

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### **PNC BANK**

*Brecksville, Ohio*

### **Data Scientist**

*August 2018 - Present*

- Designed and implemented conversion utilities to deploy high-value data science models to legacy systems; the deployed model validated within 0.01% accuracy of the original model
- Piloted the use of the Scala programming language for Apache Spark within my team, including planning multiple training sessions for teammates
- Designed, implemented & distributed multiple internal Python and Scala libraries for data science projects and as shared utilities
- Applied concurrent programming strategies to expedite required ETL and model fits

### **PNC BANK**

*Brecksville, Ohio*

### **Business Analytics Consultant Senior**

*January 2017 - August 2018*

- Created automated reporting workflow replacing a manual process
- Redesigned existing reporting processes to support IT legacy system retirement
- Consulted with teammates, offering independent advice on their reporting design and implementation

### **THE GOODYEAR TIRE & RUBBER COMPANY**

*Akron, Ohio*

### **Operations Research Analyst**

*April 2016 - January 2017*

- Designed and implemented automated, reproducible time-series forecasting process; improving accuracy 10% over prior baseline
- Led logistics network redesign project, identifying savings of over \$200k per year
- Consulted for internal Operations teams for ad-hoc optimization requests

### **THE GOODYEAR TIRE & RUBBER COMPANY**

*Akron, Ohio*

### **Supply Chain Analyst II**

*September 2015 - April 2016*

- Monitored and communicated production changes which impact strategic customer orders
- Facilitated communication between strategic customers and applicable internal teams
- Collaborated with strategic customers to provide proactive Supply Chain monitoring

**THE GOODYEAR TIRE & RUBBER COMPANY***Akron, Ohio***Supply Chain Analyst I***December 2013 - September 2015*

- Designed and taught automation techniques for order and delivery document management
- Designed Human Resources survey quantify Associates' weekly time usage
- Derived insights with Data Warehouse to report relevant performance statistics to leadership

**THE GOODYEAR TIRE & RUBBER COMPANY***Akron, Ohio***Business Intelligence Intern***January 2013 - December 2013*

- Designed and implemented a simulation program to optimize the inventory strategy
- Provided statistical consulting for colleagues with dynamic business problems
- Developed reporting using data warehouse technologies and business intelligence resources

## Education

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**THE UNIVERSITY OF AKRON***Akron, Ohio*

Finance

**Master of Business Administration***Expected, 2022***THE UNIVERSITY OF AKRON***Akron, Ohio*

Major in Statistics, Concentration in Computer Science

**Bachelor of Science***2013***OHIO UNIVERSITY***Athens, Ohio*

Major in Political Science

**Bachelor of Arts***2008***HARBIN INSTITUTE OF TECHNOLOGY***Harbin, Heilongjiang, China*

Mandarin Chinese language immersion

**Study Abroad***Summer 2007*

## Skills

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**Data Science & Statistics:**

Time Series Analysis & Forecasting, Survey Design & Analysis, Applied Artificial Intelligence & Machine Learning Techniques, Applied Regression & ANOVA

**Programming Languages & Frameworks:**

SQL, Python, Scala, Java, R, C, C++, SAS, Teradata, NVidia CUDA C & C++, GNU Bash, Apache Hadoop/HDFS, Apache Hive, Apache Impala, Apache Spark, Apache Oozie, L<sup>A</sup>T<sub>E</sub>X