

# Nicholas John Pylypiw

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nicholas.pylypiw@gmail.com • (919) 696-4765 • Raleigh, NC  
[linkedin.com/in/nicholaspylypiw/](https://www.linkedin.com/in/nicholaspylypiw/) • [github.com/NickPyll](https://github.com/NickPyll)

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Skilled and motivated analytics professional eager to solve quantitative business problems, combining a deep understanding of mathematical content with a passion for investigation.

- Adept at **solving difficult analytical problems** utilizing variety of advanced statistical methodologies
- Proven ability to **communicate concepts** to executives, management, business partners, and colleagues
- **Adaptable and effective leader** with teaching/mentoring experience
- **Advanced programmer** aimed at producing automated, efficient, repeatable processes on large and varied data sources

## EXPERIENCE

### Elicit Insights – Raleigh, NC

*Senior Data Scientist*

*Director, Data Science*

*Manager, Data Science*

**July 2018 – Present**

*September 2023 – Present*

*May 2019 – April 2020*

*July 2018 – May 2019*

- Represented Elicit in multiple forums: speaking engagements, published articles, company blog
- Advised executive team on company initiatives, structure, gap identification, and innovation
- Built relationships with client stakeholders at various organizational/tactical levels
- Responsible for building, developing, and leading team of data scientists
- Focused on customer and employee experience analytics for variety of industries (Retail, Healthcare, Travel/Hospitality)
- SME and technical lead for multiple data science projects, including data modernization and roadmap, infrastructure and migration, customer segmentation and behavioral modeling
- Designed and led client initiative to generate \$171m in incremental revenue
- Critical in analytics and application development (dashboards, reports, models, data pipelines and best practices, internal/proprietary software stack)

### University of North Carolina at Wilmington

*Adjunct Faculty, Department of Mathematics and Statistics*

**July 2020 – June 2024**

- Lectured DSC551 (Spatial Temporal Analysis in R) and CHHS (Healthy NC 2030)
- Technical advisor STT498 (Internship in Statistics) and DSC541 (Practicum in Data Science)

### Cape Fear Collective – Wilmington, NC

*Chief Data Officer*

*Director, Data Science*

**April 2020 – September 2023**

*September 2022 – September 2023*

*April 2020 – September 2022*

- Created and managed community-wide data processes, practice, projects, and policies
- Represented organization at local, state, and national conferences and convenings
- Created organization's data strategy, building, developing, and leading team of data scientists and providing \$3.1M in pro-bono data science consulting
- Led business development for data projects and infrastructure, including securing \$1.6M in grants and contracts
- Key projects:
  - [Community Data Platform](#) – Free and public AWS MySQL database containing over 1,500 community-level metrics, sourced from public and partner sources.
  - [Healthy Communities Dashboard](#) – Tract-level insights into the Social Determinants of Health, anchored in the Healthy NC 2030 indicators.
  - [Michael Jordan Clinics](#) – Utilizing data to identify candidate locations for new clinics serving vulnerable populations.

### Cardinal Solutions – Raleigh, NC

*Principal Consultant II, Data Science*

*Principal Consultant I, Data Science*

**April 2017 – July 2018**

*April 2018 – July 2018*

*April 2017 – April 2018*

# Nicholas Pylypiw

## EXPERIENCE CONTINUED

### Lowe's Home Improvement – Mooresville, NC

*Manager, Pricing and Marketing Science*

*Manager, Pricing Science*

*Senior Data Scientist, Pricing and Promotions*

**May 2014 – April 2017**

*November 2016 – April 2017*

*March 2015 – November 2016*

*May 2014 – March 2015*

### Baltimore Ravens – Owings Mills, MD

*Data Science Intern*

**July 2013 – May 2014**

### Heritage High School – Wake Forest, NC

*Mathematics Teacher*

**August 2011 – May 2013**

## TECHNICAL SKILLS

- **Stack:** SQL, Python, R, Microsoft R, R Studio, R Shiny, SAS, SAS Base 9.3, SAS Enterprise Miner, SAS Enterprise Guide, JMP, MATLAB, Maple, ArcGIS, SPSS, Tableau, Microsoft Azure ML Studio, Cloudera, AWS, S3, Power BI
- **Concepts:** Data Mining, Logistic Regression, Linear Algebra, Text Mining, Time Series Analysis, Bayesian Methods, Differential Equations, Public Speaking, Statistics, Real Analysis, Survival Analysis, Risk Optimization, Geospatial Analysis, Marketing Analytics, Digital Marketing, Machine Learning

## EDUCATION

### Master of Science in Analytics

North Carolina State University, Institute for Advanced Analytics, Raleigh, NC

### Bachelor of Science, Mathematics and Mathematics Education (Double Major)

North Carolina State University, Raleigh, NC

## PROFESSIONAL REFERENCES

*Contact Info for references available upon request. Full quotes available on LinkedIn.*

**"Nick is the whole package.** I'll hire him back at my next opportunity." – Chuck Densinger, COO, Elicit Insights

"Any organization Nick chooses to work for will gain well more than it could ever imagine from such an **incredibly innovative leader.**" – Shawn Inman, Manager of Pricing Strategy and Innovation, Lowe's

"Nick is a **great leader** who understands the importance of culture in **maintaining a high performing, engaged team.**" – Brooke Niemiec, VP of Marketing, Harbor Freight Tools

"Nick goes out of his way to **collaborate, mentor, and share his knowledge.**" – Jeff Burns, Practice Manager, Cardinal Solutions

"Nick is one of those **rare talents.** Any analytics organization will be lucky to capture his talent." – Margi Vagell, GMM/SVP Home Décor, Lowes

"Nick will be the **backbone of any data science team** lucky enough to call him leader." – Curt Bergmann, Senior Data Scientist, Elicit Insights

"Nick is a **team player, a visionary, a mentor, a strategist,** and an all around really, really good person." – Patrick Brien, Senior Manager of Strategy and Operations, DoorDash

"Nick has a natural ability to **draw out the strengths of others** and seems to relish the opportunity to do so." – Shane Lasher, Senior Solutions Consultant, Pegasystems

"Nick is the kind of leader I aspire to be as I progress through my career. He makes hard work seem simple and has a **tremendous intuition about which is the best path forward.**" – Stephen Hage, Machine Learning Engineer, Dialexa