Ian Anderson *Director of Analytics*

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Strategic leader and data evangelist. Eight years of experience growing and scaling best in industry data infrastructure using leading edge tools and methods. Thrives working in an agile environment. Excels at presenting and communicating complex methods and concepts to stakeholders with varying degrees of data literacy. Lifelong student.

💼 PROFESSIONAL EXPERIENCE

Philadelphia Flyers

Director of Hockey Analytics

2019 – present
Philadelphia

Strategic leader and advisor to President and General Manager. Leader of high performing data engineering and analysis team that produces metrics, research, applications, and data-driven story telling to aid in the decision making process across every department.

- Own strategic roadmap for all facets of organization.
- Hire, train and mentor team of data engineers, data scientist, and analysts.
- Develop algorithms and models that define key performance metrics to aid stakeholders in optimal decision making.
- Build and deploy machine learning models into production environment.
- Design and deploy dashboards, web applications and automated reports to democratize data.
- Establish data methodologies and best practices through internal packages, wiki pages, and Git repositories to standardize data workflow ensuring consistent, reproducible results at each stage of data pipeline.
- Migrate data warehouse from on premise SQL Server to Microsoft Azure cloud data lake.

Manager of Hockey Analytics

2014 – 2019
Philadelphia

Hired as the third full time hockey analytics employee in the entire National Hockey League. Responsible for building internal data processes, tools, and products from non-existent to industry leading.

- Executed 5 year strategic data plan and roadmap from sole contributor to a department of six.
- Ownership of all data acquisition, engineering, validation, and security processes.
- Built data pipelines through integration of data vendors, private and public API end points, and web scraping.

🎓 EDUCATION

Masters of Science - Predictive Analytics, *Northwestern University*

2013 – 2014
Chicago, IL

Bachelor of Arts - Business Economics, *University of California, Santa Barbara*

2001 – 2005
Goleta, CA

📈 CERTIFICATES

Advanced Tidymodels
RStudio Conference - National Harbor, Maryland

Introduction to Tidymodels
RStudio Conference - San Francisco, CA

Advanced RMarkdown Reporting
RStudio Conference - Austin, TX

🏅 AWARDS

Monumental Employee of the Year, *Monumental Sports and Entertainment*   2013
First member of Hockey Operations staff to win award for outstanding contributions.

🧠 SKILLS

R
Statistical Programming
● ● ● ● ●

SQL
Database
● ● ● ● ○

R Shiny
web applications
● ● ● ● ●

R Package Development
Reproducible Data Products
● ● ● ● ●

CSS
web development
● ● ● ○

HTML
web development
● ● ● ● ○

🎻 INTERESTS

Cooking (Home chef), **Reading** (personal development), **Traveling**, **Golf**