

timothy martin

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PROFILE

Director of cross-functional analytics, data science, and product development teams. Expert in simplifying and communicating complex information and methodologies. Skilled at transforming raw data into actionable information. Responsible for guiding the use of data, analytics, and business intelligence strategies to enable enterprise-level capabilities. Specific background with agencies governing construction, environmental, and technology projects in NYC.

EXPERIENCE

CHIEF ANALYTICS OFFICER, NYC Buildings

New York, NY

2016 – Present

Develop and execute analytics and data science strategy to improve performance, operations, and strategic direction. Build automated digital products and business intelligence solutions. Lead centralized team of analysts and data scientists. Develop and optimize enterprise data solutions. Establish and maintain data governance programs. Inform statistical approaches that ensure reproducible and accurate results. Educate staff on analytics tools and best practices. Monitor and assess trends in construction activity, building operations, staff workflows, and compliance programs.

BUSINESS INTELLIGENCE MANAGER, NYC 311

New York, NY

2014 – 2016

Managed a team of analysts responsible for development and implementation of business intelligence reports, KPIs, dashboards, and data models. Performed data mining, statistical analysis, and predictive modeling of complaint data, customer behavior, demographics, and performance indicators. Created interactive data visualizations and mapping applications. Developed training programs and support to educate staff on analytics tools.

TECHNICAL PROGRAM MANAGER, NYC DEP

New York, NY

2009 – 2014

Facilitated design of a \$12MM early warning system, including development of a real-time, IOT platform for remote monitoring. Assessed the effectiveness of existing analytics and data management technologies and solutions. Developed and managed KPIs to evaluate program operations, performance, and sustainability. Implemented large-scale, scientific data analytics applications. Managed data consolidation and implementation of specialized dashboards.

RESEARCH SCIENTIST, NYC DEP

New York, NY

2005 – 2009

Analyzed environmental data for public health implications. Programmed and managed database applications and technical reporting. Developed and managed a pharmaceutical contaminant monitoring plan for NYC source water. Published peer-reviewed research. Managed relational database implementations.

PREVIOUS POSITIONS

BUSINESS OPERATIONS ANALYST, L'OCCITANE, NEW YORK, NY

2003 – 2004

ENVIRONMENTAL SCIENTIST, SOTA ENVIRONMENTAL TECHNOLOGY, SAN DIEGO, CA

2001 – 2003

PEACE CORPS VOLUNTEER, MALAWI, AFRICA

1999 – 2001

TECHNICAL SKILLS

- | | | | |
|----------|------------|-----------------|-------------|
| ▪ R | ▪ Tableau | ▪ D3/Javascript | ▪ Git |
| ▪ SQL | ▪ OBIEE | ▪ Carto | ▪ HTML5/CSS |
| ▪ Python | ▪ Power BI | ▪ QGIS/ESRI | ▪ Plot.ly |

EDUCATION

MPA, ENVIRONMENTAL SCIENCE & POLICY

Columbia University, New York, NY

2005

BA, ENVIRONMENTAL SCIENCE

Willamette University, Salem, OR

1998