

# MICHAEL MORRISEY

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## OBJECTIVE

Detail-oriented, independent worker with excellent communication skills seeking Junior Data Architect position. Excited to unite the skills from my Data Science degree with my long-standing passion for public service.

## EXPERTISE

Data Science | Data Cleaning | Data Modeling | Visualizations | Storytelling with Data | Communications | Listening Circle Facilitation

## TECHNICAL SKILLS

SQL (PostgreSQL) | pgAdmin4 | Tableau | R | Python | Java | ERDs | Microsoft Office suite | Dimensional Analysis | Statistical Analysis | Hypothesis Testing | Regression & Classification | Supervised & Unsupervised Machine Learning algorithms | Natural Language Processing

## PROFESSIONAL EXPERIENCE

**GRADUATE ASSISTANT** | Eastern University | Online / St. David's, PA 2024

First responder for student questions in two semesters of a statistical analysis masters-level class, highlighting utility of existing resources, interpretations of documentation, and help with troubleshooting.

- Communication-heavy role prioritizing ethics, equitable access, and acceptance of diversity
- Coordination with professor and other GAs to encouraging student growth with consistent aid in line with regulations

**ENGINEERING AIDE** | Water Department | Philadelphia, PA 2014 – Present

Geospatial data coordinator across exterior, interior, and shared databases for damage prevention, risk identification, and communication both pre- and post-excavation.

- Ownership of damage prevention responsibilities for roughly a seventh of the city's water, sewer, and Green Streets Initiatives facilities
- Interpretation and dimensional analysis of blueprints, including both PWD documents and those provided from external contractors
- Communication with homeowners, contractors, and coworkers, all with different domain expertise
- Hiring committee participant instrumental in dividing contract to allot part to MOB/WOB per Philadelphia regulations

**FARMER'S MARKET ASSOCIATE** | The Food Trust | Philadelphia, PA 2013

Educator and vendor services for equity programs put on by The Food Trust to advance public health initiatives

- Facilitation of EBT transactions and distribution of Philly Food Bucks, incentivizing public participation in farmer's markets and compounding benefits of Food Stamps to both the customers and the farmers
- Tabling with MyPlate resources including recipes using seasonal produce to increase public health and farmer sales

**MANAGER ON DUTY** | Mariposa Food Co-op | Philadelphia, PA 2012 – 2014

**SENIOR PAGE** | Buffalo & Erie County Public Library | Buffalo, NY 2010 – 2011

**MANAGER ON DUTY** | Lexington Food Co-op | Buffalo, NY 2009 – 2012

**ENGLISH TEACHER** | Avalon English Academy | Suji, South Korea 2007 – 2008

## EDUCATION

MASTER OF SCIENCE DEGREE | Data Science | Eastern University 2024

ASSOCIATE IN SCIENCE DEGREE | Computer Science | Community College of Philadelphia 2016

BACHELOR OF ARTS DEGREE | English Creative Writing | State University of New York at Oswego 2007

## PROJECTS

- Relational database built using SQL for securing family records
- Pricing calculator built using spreadsheets with user input interface / dashboard for planning yearly reunion