

# MARY ANNA KIVENSON

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## EXPERIENCE

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### Operations Analyst – New York, NY

Con Edison, Energy Efficiency and Demand Management

Sep 2018 - Ongoing

- Reviews over 20 million dollars of invoice payments in Salesforce across various energy efficiency programs
- Writes Python scripts that automatically insert into SQL Server databases using API data, ensuring internal permit and violation records are up to date
- Reconciles an average of 50 data discrepancies in contractor project submissions every month through document review and Salesforce data validation
- Develops savings, expenditure, and forecast tracking reports for the Commercial Direct Install Program, which acquires over 80 GWh of energy savings annually

### Analyst Aide – Brooklyn, NY

Con Edison, Brooklyn/Queens Project Management

Jul 2014 – Aug 2018

- Optimized the field visit scheduling process by creating interactive Tableau dashboards utilized by over 50 work managers on a weekly basis
- Slashed time spent on system reporting by 75% through automation with Excel formulas and VBA
- Performed KPI reporting for safety inspection/repair programs across the entire Con Edison service territory
- Trained and managed a team of six aides to document inaccessible company asset locations, saving up to six million dollars in redundant site visit costs

### Research Assistant – Brooklyn, NY

Brooklyn College, Physics Department

Jan 2016 – Jun 2016

- Researched the thermodynamics of binary aqueous solutions with the use of molecular dynamics simulations
- Executed over 35 C++ molecular dynamics simulations using the CUNY High Performance Computing Center
- Graphed and analyzed relationships between properties of solutions using a 2D plotting program
- Collected experimental data points and calculations from research publications to verify simulation results

## EDUCATION

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### M.S. Data Science – New York, NY

CUNY School of Professional Studies (4.00 GPA)

Jan 2019 – May 2020

- **Coursework:** Advanced Programming Techniques, Data Acquisition and Management, Statistics for Data Science, Recommender Systems

### B.S. Applied Mathematics – Brooklyn, NY

CUNY Brooklyn College (Macaulay Honors, 3.53 GPA)

Aug 2015 – Dec 2017

- **Thesis:** Analyzing Internal Migration Using Central Measures
- **Honors Coursework:** Mathematical Modeling, Probability/Statistics, Advanced Calculus, Numerical Analysis

## PROJECTS

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### Indeed Web Scraping and Analysis – R

Obtains insights on which skills are most important for aspiring data scientists by scraping job postings from Indeed with R. Uses AWS RDS Postgres server to store job listings data and ggplot to create visualizations.

### Power Consumption Time Series Forecasting - Python

Descriptive analytics and univariate time series forecasting of the Household Power Consumption Dataset. Trains and tests forecasting algorithms to obtain an energy consumption prediction.

## SKILLS

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**Technical:** Python, R, SQL, Tableau, Power BI, Salesforce, R Shiny

**Microsoft Office:** Excel, PowerPoint, Word, SharePoint, Outlook

**Languages:** Fluent in Russian