

Carlyle Morgan

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SKILLS

Statistical Modeling and Inference in R and Python; QuantumGIS and statistical cartography; SQL Server Management and Querying; Visualizations and Dashboards in Tableau; Data Pipeline Design and Management

EDUCATION

Columbia University in the City of New York

New York, NY

Bachelor of Arts, Statistics and Economics; GPA: 3.56

May 2023

Myers Park High School

Charlotte, NC

High School Diploma; GPA: 3.96

June 2019

- International Baccalaureate Diploma Recipient

RELEVANT COURSEWORK

Probability Theory(Graduate Level), Calculus-Based Statistics, Proof-based Multivariate Calculus and Linear Algebra, Machine Learning in R and Python, Introduction to Tableau, South Asian History

WORK EXPERIENCE

Vera Institute for Justice – The Guardianship Project

New York, NY

Data and Policy Intern

Jan. 2020 –

- ❖ Wrote custom R scripts using regex and other text-mining packages to clean and combine existing client data that had frequently missing, misspelled, or outdated information.
- ❖ Used R's leaflet package to create choropleth maps using pre-existing GIS shapefiles and data geoencoded through the Google Maps API

Columbia University Economics Department

New York, NY

Research Assistant

Jan. 2020 –

- ❖ Studied how state level enforcement of non-compete agreements affects wage growth
- ❖ Compiled and cleaned datasets from the U.S Census Bureau and other sources for regression analysis

Dan McCready for Congress

Charlotte, NC

Field Intern

May 2019 – Aug. 2019

- ❖ Created, managed and queried a Microsoft SQL server to provide formatted summaries of millions of observations of historical campaign finance data. Aggregated and visualized data using Tableau.
- ❖ Developed a program that automated the creation of Google Calendar events from Google Forms input using Google Scripts, allowing for seamless scheduling of 40+ interns.
- ❖ Contacted and persuaded voters on topics ranging from immigration to reproductive health using canvassing and phone banking and trained volunteers of all ages to do likewise.

Mathnasium LLC

Charlotte, NC

Instructor

Nov. 2016 – Jun. 2019

- ❖ Simplified mathematical information to be understandable by 100+ different students ages 5-19. Recognized weaknesses in clients' math knowledge and worked to adjust and teach support plans to correct said gaps.

EXTRACURRICULARS

Columbia College Student Council

New York, NY

Finance Committee Member

Sept. 2019 –

- Developed best-practices for the allocation of over one million dollars to the 500+ Columbia University student organizations by creating policies designed to curb misspending and encourage and standardize accounting.

Journal of Politics and Society

New York, NY

Associate Editor

Sept. 2019 –

- Provided structural and copy edits for papers selected for publication
- Assisted in the selection of papers to be published by the journal

North Carolina Episcopal Diocese HUGS Camp

Greensboro, NC

Helper Camper

Jul. 2016 – Jul. 2018

- Provided emotional support to children and adults with special needs, developing skills in non-verbal communication and learning correct procedures for assisting people who are wheelchair-bound.