Carlyle Morgan

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SKILLS

Statistical Modeling and Inference in R and Python**;** QuantumGIS; 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, Mathematics and Statistics; GPA: 3.6 — 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), Calculus-Based Statistics, Introductory Real Analysis, Multivariate Calculus, Linear Algebra, Machine Learning in R and Python(Udemy), Introduction to Tableau

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and other text-mining packages to clean and combine existing client data that had frequently missing, misspelled, or outdated information.
- ❖ Developed a "fuzzy" replace function, correcting spelling errors in client information across data frames, allowing for the use of join functions.
- ❖ Assisted in database architecture design, standardizing keys and improving functionality.
- ❖ Ran aggregates using R's dplyr package to provide metrics on organizational efficiency over time.

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.
- ❖ Leveraged experience working with children and adults with special needs in order to accommodate learning disabilities.

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.