

# TAEHOON (TAE) SONG

TaehoonSong.com

| DataEngineer@TaehoonSong.com

| Washington, DC

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## CURRENT WORK EXPERIENCE

### Cohen Milstein Sellers & Toll, PLLC

*Data Engineer*

Washington, DC

Sep 2022 – Present

- Lead the design, implementation, maintenance, and optimization of data pipelines, databases, and application infrastructures.
- Develop Python apps that automate existing processes, create data solutions for litigation support, or assist in case development.
- Modernize legacy Python, SQL, and VBA code to be more secure and performant; migrate all authentication systems to use SSO.
- Evaluate AI solutions for the Firm with respect to data privacy, security, and impact as a member of the Firm's AI Committee.

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## RELEVANT WORK EXPERIENCE

### Grant Thornton LLP

*Statistician*

Washington, DC

May 2021 – Aug 2022

- Designed efficient statistical samples for federal and state taxes, audits, and other program analytic purposes, saving hundreds to thousands of staff hours per engagement.
- Helped win over \$8 million in government contract awards in 2022 by authoring technical sections related to statistical sampling and data analytics in RFPs.
- Researched and implemented efficient sampling methodologies and automated internal processes via R and Python scripting; conducted simulation studies to estimate sampling efficiency, statistical inference and prediction performance, and confidence coverage.

### Cohen Milstein Sellers & Toll, PLLC

*Data Analyst*

Washington, DC

Jun 2016 – May 2019

- Researched securities frauds and market manipulation involving various financial instruments; frequently worked with Antitrust or ERISA practice group attorneys to assist with financial data analysis.
- Analyzed trading data sets, recognized trends and patterns, validated data integrity; audited and monitored investment data for institutional investors to calculate potential damages relating to securities class actions.
- Developed custom data pipelines by integrating Bloomberg API, VBA, SQL, and Python to automate and assist with efficient data analysis, formatting, and validation.

### RiskEcon Lab, New York University Courant Institute

*Research Intern*

New York, NY

Oct 2015 – May 2016

- Aggregated and analyzed biodiversity data from proprietary and federal databases; reviewed literature on biodiversity data collection methods.
- Analyzed quantitative data from the railroad transportation industry to implement a financial model that considers potential economic and environmental losses due to derailments.
- Impacted policies and legislation at the state level by identifying challenges and problems through data-driven analysis; prepared and presented statistical reports to advocacy groups.

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## EDUCATION

### George Mason University - Volgenau School of Engineering

*Master of Science – Statistics*

Fairfax, VA

Graduated May 2021

### New York University - Stern School of Business

*Bachelor of Science – Accounting and Business Statistics*

New York, NY

Graduated May 2016

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## TECHNICAL SKILLS

Python, SQL, Linux, Bash, VBA, Git, R, Azure, SAS