

# Soong Ping H. Hill (M.S Data Science)

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## EDUCATION

**Georgetown University**, Washington, D.C

**August 2024 – December 2025**

Master's of Science in Data Science & Analytics (DSAN)

Cumulative GPA: 3.95 | Academic Awards: Returning Student Scholarship

**Boston University College of Arts and Sciences**, Boston, MA

**August 2020 – May 2024**

Bachelor of Arts in Neuroscience, Minor in Data Science

Cumulative GPA: 3.57 | Academic Awards: Dean's List

## WORK EXPERIENCE

**Silkroll**, Oakland, CA

**April 2025 – August 2025**

*Data Analyst*

- Designed and executed MongoDB aggregation pipelines utilizing Metabase to analyze company-wide financial transactions, service fees, and inventory across cash and points-based orders
- Built and optimized interactive dashboards to track sales, returns, and revenue trends, ensuring data accuracy and reliability across historical records
- Automated financial reporting processes, reducing manual effort and improving visibility for stakeholders

**Center for Retirement Initiatives**, Washington, D.C

**September 2024 – March 2025**

*Data Research Analyst (Georgetown University)*

- Analyzed state program data, creating monthly reports on financial metrics and retirement trends in Tableau
- Conducted data collection, cleaning, and uploading datasets, utilizing SQL and Excel for data integrity
- Partnered with cross-functional teams to develop KPIs and measurement frameworks, delivering actionable insights that informed strategic decision-making

**RESET.BUILD**, Shang Hai, China

**June 2024 – August 2024**

*Data Science Intern (BU Shanghai Internship Program)*

- Developed Python scripts to automate big data cleaning, extraction, and analysis workflows for large-scale environmental datasets, saving 8 hours of manual work per dataset
- Collaborated with cross-functional teams to design and implement data dashboards in Google Looker Studio, improving data access and driving insights for stakeholders

**Ecommerce Store**, San Francisco, CA

**June 2023 – Present**

*Owner and Manager*

- Managed e-commerce store generating \$15,000 in revenue, analyzing customer purchase patterns and optimizing product mix based on sales data
- Implemented Google Analytics tracking to monitor site performance, user behavior, and conversion funnels, resulting in 25% improvement in conversion rates
- Conducted A/B tests on product pages and checkout flow, analyzing statistical significance to optimize customer experience and reduce cart abandonment

## RELEVANT PROJECTS

### Statistical Analysis of Airbnb Listing Prices Across Cities

- Conducted statistical analysis (t-tests, ANOVAs, correlation, chi-squared) to evaluate how location, host status, and other factors impact Airbnb pricing
- Visualized data patterns with ggplot and presented actionable insights to optimize pricing strategies for hosts

### Voting Rate Analysis and Predictive Modeling

- Integrated U.S. Census API to collect and process demographic and socioeconomic data related to voting rates
- Applied clustering techniques (K-Means, DBSCAN, Agglomerative Clustering) to segment voters by behavior
- Built and evaluated predictive models (Random Forest, Regression) to analyze key factors influencing voting rates and predict voter participation trends.

### NBA Player Performance Model

- Built and Optimized an LSTM model to forecast NBA player performance based on historical game data
- Provided data-driven insights for player evaluation and strategy optimization in sports management

## TECHNICAL SKILLS

**Proficient:** Python, R, SQL, Tableau, PowerBI, Statistical Analysis, Machine Learning, AWS, Azure, Power BI

**Big Data & Analytics:** Hadoop, Spark, MongoDB, Metabase, Google Analytics

**Spoken Languages:** English, Mandarin, Cantonese