

Brian Chae

Palisades Park, NJ

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Skills: JavaScript, D3, Microsoft Office, Tableau, Power BI, Alteryx, Azure, Microsoft SQL Server, Python, SQL, R, Tensorflow

Education

University of Virginia, Charlottesville, VA

Master of Science in Data Science

May 2021-Present

Bergen Community College, Paramus, NJ

Coursework in Computer Science, Mathematics and Statistics

January 2020-May 2021

New York University, New York, NY

Bachelor of Science in Media, Culture, and Communication

May 2014

Experience

University of Virginia Biocomplexity Institute

July 2021-Present

Graduate Research Fellow

- Researched platforms for online behavioral experiments
- Researched web frameworks for the new project platform
- Developed a MERN stack framework for the new Minerva project platform
- Scaled the platform so that experiments can work with larger groups than the previous platform
- Documented the new platform for the application and developed a working demo

Holy Name Medical Center

January 2019-August 2019

Business Intelligence Engineer

- Supported the Data Science and Cognitive Systems team with projects related to data reporting
- Developed and maintained complex data workflows using Alteryx
- Created dashboards for various departments and users using both Tableau and Power BI
- Reported survey data for various events including health fairs
- Presented data to department heads and stake holders using Dashboards
- Created a live updating Emergency Department Throughput Dashboard
- Made interactive surveys using Survey Monkey for specific patient data collection
- Consulted stake holders and department heads about project ideas
- Researched HIPAA guidelines and PHI definitions
- Finding and cleaning data before continuing with all projects
- Created tables for large scale projects using by cleansing and combining many data sources
- Documented table and column definitions in confluence
- Collected data regarding Foley catheters to help nurses track potential infections
- Generated reports regarding HPV data for a research grant from Gilead
- Drafted grant renewal applications regarding various research projects
- Created applications on Excel for others to use including gantt charts and meeting schedules

Memberships and Associations

UVA MSDS Online Student Council

May 2021-December 2021

Ombudsman

Phi Theta Kappa Honors Society

Member

January 2020-Present