Bryan Ly

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LinkedIn GitHub Website

EDUCATION & RELEVANT COURSEWORK

CUNY Brooklyn College *B.S in Computer Science*   *Graduation - May 2025*
- Relevant Coursework: Discrete Structures and Algorithms, Data Structures, Java OOP, Linear Algebra, Development of Large-Scale Applications, Advanced C++ Programming, Operating Systems, and Artificial Intelligence

SKILLS

Operating Systems: Windows 11, Linux Ubuntu (Limited)
Technical: Python, C++, Java, MySQL, JavaScript, HTML, CSS
Technologies: Git, Github, Microsoft SQL Server, Dynamics 365, Mircosoft Office (Word, Excel)

PRIMARY EXPERIENCE

NYC Department of Transportation (DOT)   **New York, NY**
College Aide   *May 2023 – Present*
- Managed, analyzed, and automatically updated numerous OpenData databases using various Python libraries.
- Utilized Excel and MSSQL to extract, analyze, and clean data to improve business operations.
- Analyze over **1 million entries** in MSSQL and manipulate data in Excel, organize and maintain inventory records by implementing strong organizational skills.
- Used advanced queries in Dynamics 365 to filter through **15,000+** service requests and better DOT response times to complaints.
- Created, edited, and shared **20+** documentations to describe new agency applications and datasets in plain language.
- Evaluate public services and identify potential datasets from agency performance reportings, showcasing meticulous attention to detail.
- Assist business analysts in documenting data flows and processes both in text and graphically.

ADDITIONAL EXPERIENCE

Angel Advantage Center   *New York, NY*
Teacher's Aide   *October 2022 - July 2023*
- Responsible for grading, class participation, and students' grades.
- Supervised students and effectively enforced classroom and school rules.
- Utilized Excel to input and organize data for dozens of students.

SYEP Assemblywoman AD51 Marcela Mityanes   *Brooklyn, NY*
Intern   *July 2021 - August 2021*
- Managed AirTable to store and organize hundreds of constituents.
- Used formulas in AirTable to effectively filter and create requests for data.
- Assisted hundreds of constituents with issues regarding housing, rent, ERAP, food stamps, and more.