

# FINNEGAN NGUYEN

## TEAM LEAD, DATA GOVERNANCE | DATA ANALYST

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| PROFESSIONAL SUMMARY:    | Dynamic Data Analyst with with a strong foundation in statistics, applied mathematics, hands-on experience in data analysis and operations. Proficient in Python, R, SQL, and a suite of data analytics tools. Demonstrated ability to lead teams in complex data-centric projects, ensuring impeccable data integrity and actionable insights. Proven expertise in automating and optimizing data processes, making strategic decisions driven by deep data analysis, and collaborating with cross-functional teams to propel product growth and enhance user experiences.   |                     |
| SKILLS:                  | Programming: Python, SQL, R, Excel, HTML, JavaScript, C#<br>Software: MySQL, RStudio, Tableau, SPSS, Visual Studio, Mathematica, MATLAB, Unity, Adobe Photoshop<br>Industry: Project Management, Data Modeling, Data Visualization, Statistical Analysis, Machine Learning  |                     |
| PROFESSIONAL EXPERIENCE: | <b>KBRA, New York, NY</b><br><i>Team Lead, Rating Operations (Mar 2023 – Present)</i>   | Sep 2021 – Present  |
|                          | <ul style="list-style-type: none"><li>Lead a team in assessing business and data needs, conducting audits, and analyzing root causes for the precise and timely publication of about 50 daily transactions, contributing to a 40M monthly revenue.</li><li>Act as a subject matter expert in rating operations, utilizing technical and business acumen to identify data anomalies and automate manual data entry with 3 Python apps and 20 Power BI reports.</li><li>Collaborate with stakeholders and cross-functional teams to test new functionalities, optimize internal systems, and design business requirements for data entry and reporting applications.</li><li>Partner with senior directors and Compliance in annual SEC exam reporting. Actively manage and refine SQL scripts for database model updates, ensuring accurate results amid regulatory changes.</li></ul> |                     |
|                          | <i>Technology Data Steward (Sep 2021 – Mar 2023)</i>  |                     |
|                          | <ul style="list-style-type: none"><li>Secured a perfect 100% audit hit rate, demonstrating a commitment to data accuracy and integrity.</li><li>Employed advanced Python scripting and SQL querying to maintain 99% data accuracy, showcasing technical proficiency and attention to detail.</li></ul>  |                     |
|                          | <b>European Organization for Nuclear Research (CERN), Geneva, Switzerland</b><br><i>Data Analyst Intern</i>   | Jun 2017 – Aug 2017 |
|                          | <ul style="list-style-type: none"><li>Sole undergraduate selected for an astrophysics project published in Physical Review D.</li><li>Designed statistical methodologies, processed 10K NASA data, and developed an R clustering model, improving accuracy, and reducing data collection time by 3 weeks.</li></ul>   |                     |
|                          | <b>Manhattan College, Bronx, NY</b><br><i>Research Assistant (Sep 2016 – Jun 2017)</i><br><i>Physics Lab Assistant (Mar 2016 – May 2018)</i>  | Mar 2016 – May 2018 |
|                          | <ul style="list-style-type: none"><li>Conducted 2 NSF-funded research projects proposing a gradient-boosted decision tree classifier (GBDT).</li><li>Assisted lab technicians, maintaining equipment, and set up weekly physics labs for student use.</li></ul>   |                     |
| PROJECTS:                | <b>Visual Perception and Human Behavior Studies (Freelance)</b>   | May 2020 – Sep 2021 |
|                          | <ul style="list-style-type: none"><li>Designed and programmed 20+ game-like experiments for The New School Psychology PhD students.</li><li>Automated subject filtering and data aggregation, saving approximately 20 man-hours monthly.</li></ul>  |                     |
|                          | <b>Migration and Socioeconomic by states in 15 years (2005 – 2019)</b><br><i>Socioeconomic by states from 2005 to 2019</i> (The dashboard is available <a href="#">here</a> )<br><i>State-to-State Migration Flows 2010 – 2019</i> (The dashboard is available <a href="#">here</a> )   | Jun 2021 – Sep 2021 |
| EDUCATION:               | <b>Hunter College, New York, NY</b><br><i>M.A., Statistics &amp; Applied Mathematics</i>  | 2020                |
|                          | <b>Manhattan College, Bronx, NY</b><br><i>B.S., Physics</i>   | 2018                |