

## 📁 EXPERIENCE

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| New York, NY<br>Jul 2022                                   | <b>Twitter, Inc.</b><br><i>Incoming Software Engineer</i>  |
| New York, NY<br>Jun 2021 - May 2022                        | <b>Cisco Systems, Inc.</b><br><i>Software Engineer Intern</i> <ul style="list-style-type: none"><li>Architecting a complex NoSQL data conversion and data migration automation project for a Webex platform using <a href="#">Java</a>, <a href="#">Spring Boot</a>, and <a href="#">MongoDB</a></li><li>Developed a back-end framework using <a href="#">Python</a> that integrates with ISE REST API to allow XML imports to the Cisco ISE UI, successfully automating a manual task that would take over 8 hours to process in under 1 minute</li><li>Nominated and awarded "Intern of the Month" for outstanding performance and positive team-player attitude</li></ul> |
| Chicago, IL<br>Jan 2021 - May 2021                         | <b>William Blair &amp; Company, LLC.</b><br><i>Data Science Intern</i> <ul style="list-style-type: none"><li>Designed and built an ETL pipeline solution in <a href="#">Databricks</a> with <a href="#">Python</a> and <a href="#">Spark</a> that extracts and stores data from Office 365 products using Microsoft Graph REST API, improving data accuracy and consistency</li><li>Built a social network graph with <a href="#">Python</a> and implemented custom centrality and community detection algorithms; used as the base model for in-house relationship intelligence solution</li></ul>  |
| Boulder, CO<br>Jun 2020 - Aug 2020                         | <b>The Trade Desk, Inc.</b><br><i>Data Science Intern</i> <ul style="list-style-type: none"><li>Developed a new lookalike modeling feature with <a href="#">Spark</a> and <a href="#">Scala</a> in <a href="#">AWS</a>, allowing users to customize inputs to the ad campaign optimization algorithm</li><li>Analyzed <math>10^8+</math> rows of unexplored ad group data in <a href="#">Vertica SQL</a> and prototyped a custom multi-target linear regression model with <a href="#">Python</a> to predict various KPIs, which launched company-wide and increased ad group performance by 74%</li></ul>   |
| New York, NY<br>Jun 2018 - Jul 2019<br>Jun 2017 - Jun 2018 | <b>Vitech Systems Group, Inc.</b><br><i>Solutions Analyst</i><br><i>Associate Solutions Analyst</i> <ul style="list-style-type: none"><li>Collaborated with tech leads to design extensive workflow processes and write new software design documents, advanced functional specifications, and enhancement contracts</li><li>Self taught <a href="#">PL/SQL</a> and worked with engineers to write and maintain <a href="#">SQL</a> scripts for extracting reoccurring test cases, cutting down regression testing time by 25%</li></ul>   |
| New York, NY<br>Sep 2016 - May 2017                        | <b>Haver Analytics, Inc.</b><br><i>Senior Economic Research Assistant</i> <ul style="list-style-type: none"><li>Compiled, managed, and quality assured databases covering macroeconomic indicators of Asia-Pacific markets and automated the extraction and formatting of data with <a href="#">DOS</a></li></ul>  |

## 🎓 EDUCATION

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| Philadelphia, PA<br>Aug 2019 - May 2022<br>Aug 2019 - May 2022 | <b>University of Pennsylvania</b><br><i>Master of Science in Engineering, Computer and Information Science</i><br><i>Master of Science in Engineering, Data Science</i> <ul style="list-style-type: none"><li><b>Coursework:</b> Software Systems, Software Foundations, Analysis of Algorithms, Big Data Analytics, Machine Learning, Deep Learning, Artificial Intelligence, Computer Vision, Computational Linguistics, Time Series Forecasting</li></ul> |
| New York, NY<br>Aug 2013 - May 2017<br>Aug 2013 - May 2017     | <b>New York University</b><br><i>Bachelor of Arts, Mathematics</i><br><i>Bachelor of Arts, Economics</i> <ul style="list-style-type: none"><li><b>Honors:</b> Dean's List (2015, 2016)</li></ul>   |

## 🏆 ACHIEVEMENTS

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| 2022 | <b>Terminal - East Coast Regional Spring 2022:</b> Selected to compete in AI game competition presented by Citadel LLC     |
| 2021 | <b>The Data Open - East Coast Regional Fall 2021:</b> Selected to compete in datathon competition presented by Citadel LLC |
| 2017 | <b>University Honors Scholar + NYU Founders' Day Award:</b> Graduated as a top-ranking Baccalaureate candidate             |
| 2016 | <b>SOA Exam P: Probability/CAS Exam 1:</b> Among 44.4% candidates who passed during May 2016 administration                |

## </> SKILLS

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| <b>Programming</b>      | Python · Java · C/C++ · Scala  |
| <b>Tools/Frameworks</b> | SQL · NoSQL · Spring Boot · Docker · Git · PyTorch · Apache Spark · Azure Databricks · AWS · GCP |
| <b>Languages</b>        | English (Native) · Mandarin Chinese (Fluent)   |