

## EDUCATION

Philadelphia, PA Aug 2019 - May 2022 Aug 2019 - May 2022	<b>University of Pennsylvania</b> <i>Master of Science in Engineering, Computer and Information Science</i> <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> <li><b>Competitions:</b> The Data Open - East Coast Regional Datathon 2021 (Presented by Citadel)</li> </ul>
New York, NY Aug 2013 - May 2017 Aug 2013 - May 2017	<b>New York University</b> <i>Bachelor of Arts, Mathematics</i> <i>Bachelor of Arts, Economics</i> <ul style="list-style-type: none"> <li><b>Coursework:</b> Linear Algebra, Probability Theory, Statistics, Econometrics, Differential Equations, Numerical Analysis</li> <li><b>Honors and Awards:</b> Dean's List, University Honors Scholar (Founders' Day Award)</li> </ul>

## SKILLS & OTHERS

<b>Programming</b>	Python · Java · C/C++ · Scala
<b>Tools/Frameworks</b>	SQL · MongoDB · Spring Boot · Docker · Git · PyTorch · Apache Spark · Azure Databricks · AWS · GCP
<b>Others</b>	Actuarial Exams: SOA Exam P/CAS Exam 1    Languages: Mandarin Chinese    Video Editing: Final Cut Pro, HitFilm

## WORK EXPERIENCE

New York, NY Jul 2022	<b>Twitter, Inc.</b> <i>Incoming Software Engineer</i>
New York, NY Jun 2021 - Present	<b>Cisco Systems, Inc.</b> <i>Software Engineer Intern</i> <ul style="list-style-type: none"> <li>Architecting an end-to-end complex data conversion and data migration within a microservices infrastructure 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, 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 positive team-player attitude and outstanding performance</li> </ul>
Chicago, IL Jan 2021 - May 2021	<b>William Blair &amp; Company, L.L.C.</b> <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 Jun 2020 - Aug 2020	<b>The Trade Desk, Inc.</b> <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>; this long-awaited function allowed 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 Jun 2018 - Jul 2019 Jun 2017 - Jun 2018	<b>Vitech Systems Group, Inc.</b> <i>Solutions Analyst</i> <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 Sep 2016 - May 2017	<b>Haver Analytics, Inc.</b> <i>Economic Research Intern</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>

## SELECT PROJECTS

Nov 2021 - Dec 2021	<b>PennCloud - Distributed Cloud Platform</b> <ul style="list-style-type: none"> <li>Built a small cloud platform in C++ that supports a webmail service and storage service, and stores all user data in a distributed key-value store</li> </ul>
Jan 2020 - May 2020	<b>Automatic News Headlines Generator</b> <a href="#">[paper]</a> <a href="#">[code]</a> <a href="#">[blog]</a> <ul style="list-style-type: none"> <li>Trained a Seq2Seq network in <a href="#">Pytorch</a> on 200,000 news articles to generate summary headlines</li> </ul>