

# Danny Lin

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## EDUCATION

Expected Graduation: December 2025

### University of Pennsylvania

Philadelphia, Pennsylvania

Master of Science in Computer Science

GPA: 4.00/4.00

### Stony Brook University

Stony Brook, NY

Bachelor of Science in Applied Mathematics & Statistics

GPA: 3.65/4.00

Double Major in Business Management (Specialization in Finance & Operations)

Dean's List

**Relevant Courses:** Linear Algebra | Discrete Math | Calculus I - IV | Probability and Statistics | Object-Oriented Design | Data Structure and Algorithms | Financial Mathematics | Information Systems | Data Analysis | Computer Systems

## SKILLS

**Technologies:** Python, PySpark, Java, C, C++, SQL, R, HTML, CSS, Javascript, React, SAS, and Swift

**Languages:** English (Native), Fuzhou Dialect (Native), and Mandarin (Fluent)

**Interests:** Basketball, Running, Pickleball, Investing, Real Estate, Artificial Intelligence, Software Development, and Data Science

## PROFESSIONAL EXPERIENCE

### AT&T

Middletown, NJ

Software Engineer Internship | **Tools:** Python, React, HTML, CSS, and Pandas

June 2024 - August 2024

- Developed and deployed a Streamline-based AI website for Optical Network Team, integrating Pinecone and OpenAI APIs, resulting in a 85% reduction in query response times
- Implemented a Retrieval-Augmented Generation (RAG) system using GPT-4 LLM, achieving a 90% accuracy in retrieving relevant texts for complex network queries
- Engineered a machine learning pipeline to process and embed over 10,000 PDF documents, enhancing data accessibility and reducing manual research effort by 30%

### Milliman

Manhattan, NY

Data Analyst | **Tools:** Python, SQL, PySpark, SAS, and VBA

June 2022 – June 2023

- Automated download files through CMS for client production by using Python, resulted in a 35% reduction in the time
- Analyzed the client's database using Spark, coding a seamless pipeline database for optimal operation of parquet files
- Streamlined the generation of monthly User Statistic Reports by 80% and eliminated errors by leveraging VBA and Macros
- Investigated the client interface's database by executing SQL queries and generated a comprehensive Excel report to address client concerns
- Developed and implemented an Extract, Transform, Load (ETL) process to extract data from multiple databases and seamlessly process it through the Milliman pipeline

### Sherwin-Williams

Brooklyn, NY

Finance and Analytics Intern | **Tool:** Excel

May 2021 – August 2021

- Developed monthly financial reports for Sherwin-Williams retail stores, which 5 senior stakeholders used
- Recorded and maintained the information of more than 200 customers in a CRM to foster strong relations with consumers

## LEADERSHIP EXPERIENCE

### Delta Sigma Pi

Stony Brook, NY

Vice President of Finance / Philanthropy Committee Director | **Tool:** Excel and Google Sheets

April 2021 – April 2022

- Donated over \$14,500+ through fundraiser events such as Bingo Boards, Onigiri, Succulent Plants & Insomnia Cookie for organizations like Heifer International, UNICEF, Food Bank for NYC, Audre Lorde Project, and NAACP
- Prepared financial statements, including income statements, balance sheets, and cash flow statements, by calculating revenue, expenses, and national dues
- Acted as the Chief Financial Officer for 60 members and maintained a record of financial transactions
- Coordinated and guided a team of 20 individuals, fostering productive discussions and executing fundraising initiatives

## PROJECT

Twitter (X) Application | **Tools:** Swift

[GitHub](#)

- Utilized application programming interfaces (APIs) to develop an imitation Twitter iOS app, functioning with abilities to log in, load tweets, auto-resize interface, compose, favorite, and retweet tweets.

Flixtter Application | **Tools:** Swift

[GitHub](#)

- Designed a Flixster app, using custom table and collection view cells that reveal currently airing movies in theaters.

## CERTIFICATES

**Corporate Finance Institute:** Advanced Excel Formulas | Dashboard & Data Visualization | Financial Analysis Fundamental

**CodePath:** Introduction to Web Development | iOS Development | Technical Interview Preparation