

# Ryan Peng

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## Education

### **University of Rochester**

Rochester, NY

BS in Computer Science, BA in Economics, Minor in Math:

Dual Major, Class of 2025

- Cumulative GPA: 3.5 out of 4.0, Major GPA: 3.7 out of 4.0
- Relevant Courses taken: **Introduction to Artificial Intelligence, Machine Learning, Data Structures and Algorithms; Computation and Formal Systems; Discrete Mathematics; Database Systems;** Multivariable Calculus; Linear Algebra and Differential Equations; **Intermediate Microeconomics; Intermediate Macroeconomics; Principles of Economics; Introduction to Mathematical Statistics, Introduction to Probability, Data Mining**

**Horace Mann School** Bronx, NY  
High School Diploma, June 2021

## Skills

Proficient in Java, Python, C++, C, SQL, Markdown, WordPress and Microsoft Office (Excel, PowerPoint, Word)

Comfortable with writing code from scratch and reviewing other people's code in multiple programming languages

## Work Experience and Activities

### **Federal National Mortgage Association (Fannie Mae)**

Washington DC

Capital Markets Risk Intern

May 2024 – August 2024

*Fannie Mae is a government-sponsored enterprise that is the leading provider of mortgage financing in the U.S. They provide liquidity to markets by buying, selling, and insuring mortgages.*

Completed an internship in the Business Analyst Program as part of the Capital Markets Risk Management team.

- Worked on weekly and quarterly market risk reports assessing risk on Mortgage Backed Securities using MicroStrategy
- Contributed to Stress Testing analysis for Fannie Mae's Mortgage Backed Securities by making a spreadsheet comparing FICO score distributions between Fannie and major banks
- Tested Stress Testing models to understand how they perform under various scenarios
- Designed a rates sheet report from scratch to give a comprehensive view on Fannie Mae's year to year interest rate changes over the last 10 years
- Took courses in various areas, including the basics of risk, Fannie Mae's role in the financial industry insuring mortgage backed securities, AI Acumen in Housing Finance
- Gathered data to prepare analyses, reports, and schedules to communicate to management and client
- Assisted in coordinating the development and monitoring of key risk indicators

### **Revere Securities LLC**

New York, NY

Investment Banking Intern

May 2023 – August 2023

*Revere Securities is a broker-dealer that provides professional finance solutions including wealth management, investment banking and asset management.*

- Worked on Discounted Cash Flow (DCF) Models and Comparable Companies Analysis using Microsoft Excel
- Created a web-scraping program in Python to automate the process of receiving daily market updates on stock market and ADR-related news

- Participated in live meetings with Initial Public Offering (IPO) clients and Roadshows for deals in which Revere Securities is an underwriter. Helped work on projected timelines for IPO deals
- Created summaries and performed background checks on companies that are potential IPO clients of Revere
- Participated in the end-to-end process of an IPO deal with a high-tech startup company, gaining firsthand experience in each phase

## **VCV Digital Group**

Financial Analyst Intern

New York, NY

May 2022 – August 2022

*VCV Digital is a startup investment group focused on cryptocurrency exchanges and sustainable bitcoin mining through renewable energy*

- Created marketing and fundraising Pitch Books in PowerPoint
- Analyzed and created visualizations for data on electricity prices using the Pandas library in Python
- Worked directly with the CEO on tasks important for VCV such as conducting Due Diligence on clients, transaction and cost management, requesting quotes for crypto mining facilities
- Researched and did daily presentations on current events and the business models of leading companies in the Crypto industry
- Created various spreadsheets in Excel to keep track of VCV's financials, spending, and outstanding bills

## **Personal Information**

- US Citizen
- Languages: English (Native), Chinese (Fluent)