

# Sneha Patel

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## EDUCATION

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### University of Pennsylvania, The Wharton School

Bachelor of Science in Economics

Philadelphia, PA

May 2023

Intended Concentrations: Business Analytics, Finance | Minor: Computer Science

Cumulative GPA: 3.88/4.00

Courses: Data Structures & Algorithms; Scalable Networks & Cloud Computing; Data & Analysis for Marketing Decisions; Data Science for Finance; Introduction to Computer Systems; Big Data Analytics (*currently enrolled*)

Extracurriculars: WQHS Radio; Penn Band; Daily Pennsylvanian Data Stories Team; Penn Outdoors Club

## WORK EXPERIENCE

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### Barclays Investment Bank

New York, NY

*Sales & Trading Summer Analyst*

June 2022 – August 2022

- Used Excel pivot tables to compile client data to understand prospects for newly launched pairs algorithm
- Analyzed trading algorithms' parameter frequency and SDP venue metrics to assess venue quality and client priorities
- Prepared equity stock pitch in consumer retail sector for senior individuals on the Equities floor

### University of Pennsylvania

Philadelphia, PA

*CIS 160 (Discrete Mathematics) Teaching Assistant*

January 2021 – Present

- Collaborate with faculty to deepen students' understanding of proof-based discrete mathematics through writing and grading homework assignments and exams
- Teach topics including: Combinatorics, Probability, Graph Theory, Proof Techniques and other mathematical foundations of computer science

### U.S Securities and Exchange Commission

Philadelphia, PA

*Quantitative Research Intern*

May 2021 – July 2021

- Developed a program using Python and regular expressions to further automate Company S-3 filing review process on behalf of the Division of Corporation Finance

## LEADERSHIP & ACTIVITIES

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### WQHS Radio

Philadelphia, PA

*Website Manager*

January 2021 – Present

- Uses HTML and WordPress to run and manage the WQHS radio station's website
- Automate blog posts to update between social media platforms
- Attend weekly radio station board meetings for station maintenance and improvement

### Daily Pennsylvanian Data Analytics

Philadelphia, PA

*Staff Member/Writer*

August 2020 – May 2022

- Wrote data stories for the University of Pennsylvania's school newspaper
- Used R and Python to analyze and clean raw data
- Created necessary data visualizations using Datawrapper and Tableau for reports

## KEY PROJECTS

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### ScrapeGoat: An Automated Web Scraper (*Personal Project*)

- Used Selenium in Python to automate web scraping for individual project requested within 1 week
- Given list of company tickers, ScrapeGoat downloads articles relevant to user by parsing HTML

### PennBook (*NETS-212: Scalable Networks & Cloud Computing*)

- Four-person group project to build a miniature social platform hosted on AWS using Node.js
- Used Amazon's DynamoDB, Twitter's Bootstrap collection for UI, and Apache Spark for data analysis
- Independently focused on building group chat feature using socket.io
- Other features included: news search, home feed, automatic profile posts, and network visualizer

## SKILLS & INTERESTS

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**Technical Skills:** Python; R; C; Java; Javascript; AWS; Tableau; SQL

**Interests:** Hiking, Jogging, Visiting modern art museums