



The Investment Club General Body Meeting #3

September 20th, 2023 | 1PM
Harriman Hall 137

Please Scan the QR code to sign in for today's GBM!



Game Rankings

Updated: Sep 19, 2023 at 12:33 p.m.

[Download](#) ↴

	Name	Net Worth	Last	Trades	Total Returns
1	Anthony Smith	\$1,592,556.13	40.55%	22	\$592,556.13
2	Yichen Lin	\$1,229,696.38	18.32%	81	\$229,696.38
3	Noah Tover	\$1,007,909.12	0.06%	8	\$7,909.12
4	Blake Grant	\$1,007,131.84	-0.03%	36	\$7,131.84
5	Anthony Cassano	\$1,005,838.39	0.34%	5	\$5,838.39
6	Juan Delgado	\$999,760.38	-0.02%	2	-\$239.62
7	Dan Bin	\$998,782.67	-0.05%	3	-\$1,217.33
8	Matthew Grimaldi	\$998,671.50	-0.06%	2	-\$1,328.50
9	James Cho	\$998,586.08	-0.05%	12	-\$1,413.92
10	Nikhil Dhengle	\$996,775.95	-0.06%	8	-\$3,224.05

Societe Generale Virtual Info Session

HAPPENING TODAY



INFORMATION SESSION WITH STONYBROOK COLLEGE

**WEDNESDAY, SEPTEMBER 20, 2023
3:00PM - 4:00PM EDT**

All interested students in Class Years 2025 and 2026

Société Générale Corporate and Investment Banking provides driven and talented students with the opportunity to develop an exceptional career within the finance industry. At one of the most dynamic and innovative firms in the world, you will contribute your ideas to your team of committed professionals, hone your skills in a spirited environment, challenge your potential and grow an expansive and unique network. From the hustle of the trading floor to the careful building of client and investor relationships, your experience will mold you into a leader. By the end of our 10-week (June – August) program, you will see your lasting impact.

During the 1-hour information session, we will provide an overview of the Program and you will have the chance to network with business representatives.

**SOCIETE
GENERALE**

Voya Guest Speaker and Site Visit

- Guest Speaker: Global Head of Quantitative Equities at Voya Peg DiOrio
- Date/Time: Wednesday, Oct 4 at 1:00PM
- Site Visit: TBA
- Location: Harriman 137
- Has worked at:
 - Alliance Bernstein
 - Voya Investment Management



A portrait of Peg DiOrio, a woman with shoulder-length brown hair, wearing a grey blazer over a blue shirt. She is smiling. To her right is a dark blue graphic element containing the Voya Financial logo and event details.

Investment Club
VOYA
FINANCIAL

Guest Speaker
Peg DiOrio

1:00 P.M - 2:00 P.M in Harriman 137
October 4th, 2023

QR code

- Co-Head of Quantitative Equity at Voya Investments
- More than 3 decades of experience in the field
- Board member of Society of Quantitative Analysts
- Advisory board member of SBU AMS department



Naik Brothers Guest Speaker Event



The flyer features a red and white design. At the top left is the Investment Club logo, which is a shield with a stylized animal head. To its right is the text "Investment Club". In the top right corner is the Goldman Sachs logo, which consists of the company name in white on a blue square. The main title "Q&A with Goldman Sachs Quant" is centered in a white, hand-painted-style font. Below the title are two circular profile pictures of the brothers. The brother on the left is identified as "Eesh Naik, IB Strategist". The brother on the right is identified as "Som Naik, Former SEC Intern". At the bottom left, the date and time are listed: "9/27/2023, 1:00 P.M - 2:00 P.M, Zoom Meeting". A QR code is located at the bottom center.

Q&A with Goldman Sachs Quant

Eesh Naik
IB Strategist

Som Naik
Former SEC Intern

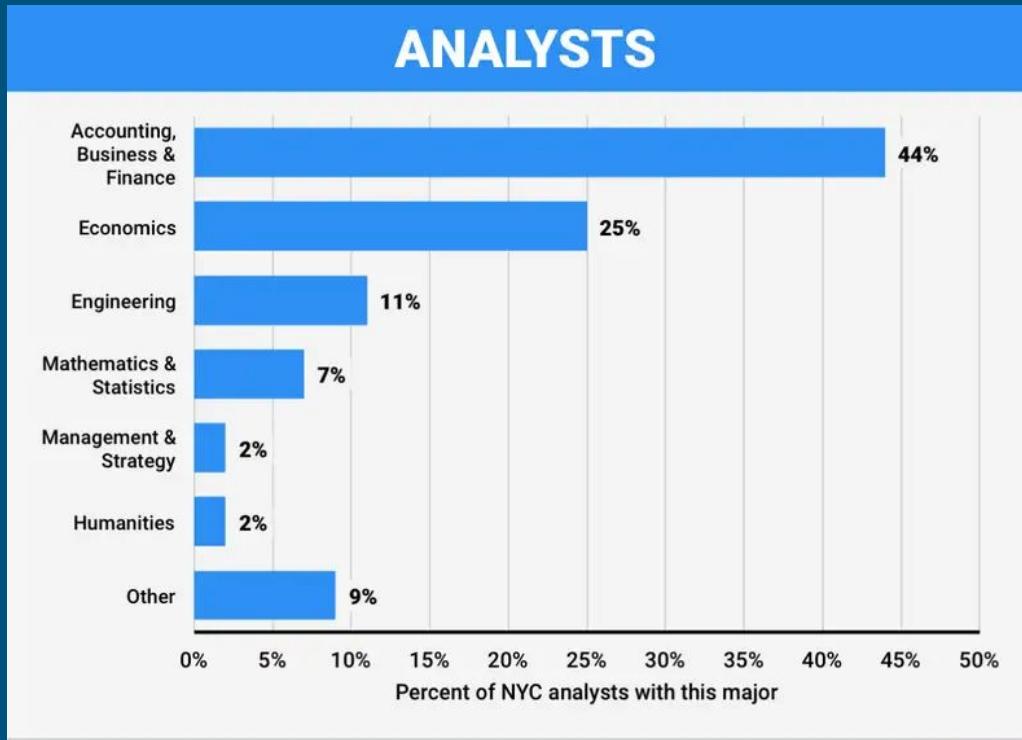
9/27/2023
1:00 P.M - 2:00 P.M
Zoom Meeting



Investing in Your Future: A Financial Career Seminar

—
Guest Speaker Prof. Michael Nugent

Picking a Major For Careers in Finance



Source: Business Insider

College Coursework

- Get good grades! Employers look carefully at GPA for entry-level positions
 - Sit at the front of the class
 - Ask lots of questions
 - Attend office hours
 - Manage your time wisely
- Accounting
- Principles of Finance / Corporate Finance
- Marketing
- Calculus
- Statistics
- Economics
- A Class on Excel and Computer Applications
- Introductory Computer Programming (Python is now popular in finance)

Skills for Financial Careers



"Hard" Skills:

- Accounting knowledge and fluency
- Excel, PowerPoint, Word
- Algebra and low-level calculus
- Basic Statistics and Probability
- Analytical mindset
- Basic Economics Knowledge
- Computer Programming (Python, VBA, SQL, R)

"Soft" Skills:

- Networking!
- Interpersonal and Communication
- Collaboration
- Persuasion / Negotiating
- Leadership
- Time Management
- Marketing

Networking



- Make a LinkedIn ASAP. That is a tool to make connections.
 - Reach out to alumni from your school that work in or study a field you are interested in.
 - Ask questions and take notes.
 - Build your network!
- LinkedIn is a great tool to market yourself and your competencies. Having one is critical to getting a job nowadays.
- When it comes to internship and job applications, reach out to any connection you may have that works in the industry of your interest! It could be a relative, professor, family friend, alumni, etc.,
- Getting any internship / job can be made much easier if you have connections

Networking

- Don't know where to start to build your network? LinkedIn is your best friend.
- 1. Go to the profile of your high school or university
- 2. Click on the “Alumni” tab
- 4. Filter alumni by Company
- 5. Connect with the alumni, message them, ask them to hop on a quick call for them to tell you about their career

A screenshot of a LinkedIn search results page. The search bar at the top shows "People" and "Morgan Stanley". Below the search bar, it says "278 results". The results list several profiles, each with a profile picture, name, connection status (e.g., "1st"), current role, and location. A red arrow points from the "Alumni" tab on the left towards this list.

Analyst at Morgan Stanley United States
Ph.D in Mathematics at Stony Brook Quantitative Strats Associate at Morgan Stanley, NY
Manager, Global Conflicts Office at Morgan Stanley Smithtown, NY
Quant at Morgan Stanley Centereach, NY

Paul, Taek Keun, Ahmad, Alvis, Alex and 332 more

Internships



- For finance, business, technology, engineering, marketing, etc., big name firms (Goldman Sachs, Google, Boeing, Intel, Apple, Microsoft, Morgan Stanley, etc.) do all of their internship recruiting an entire year in advance.
- Submit internship applications before junior year during the summer after your sophomore year.
- If applying to a big name firm, be sure to get job / internship experience from a smaller, local company first to build your resume.
- Join clubs and extracurriculars on campus as well as volunteering
- Gain the relevant skills for an internship to further develop your resume.
- Use career center for mock interviews and more tips.

Internships

- Have a dream internship in mind at a top firm?
- Go on LinkedIn and search “Incoming [role name] Intern at [firm name].”
- Look at the credentials they have, their major, the classes they’ve taken, clubs they’ve been involved in, technical skills, their resume, etc.. Use that as a template for the credentials you’d like to gain in order to set yourself up to be a top candidate for that internship!

The screenshot shows a LinkedIn search results page. At the top, there's a search bar with the query "Incoming Investment Banking Summe". Below the search bar are several navigation buttons: People, Posts, Products, Jobs, Companies, Groups, and Search. On the far right, there's a "Home" button with a house icon. The main content area is titled "People" and displays three profiles:

- Eleanor Daniel** • 3rd+ Incoming Investment Banking Summer Analyst at J.P. Morgan - Global & Investment Banking Summer Internship
New York, NY
Current: Incoming Investment Banking Summer Analyst at J.P. Morgan - Global & Investment Banking Summer Internship
- Elisa Marconell Tejedor** • 3rd+ Incoming 2023 Investment Banking Summer Analyst @...
New York, NY
Current: Incoming 2023 Investment Banking Summer Analyst at J.P. Morgan
Follow
- Kaitlyn Hoxha** • 2nd Incoming Investment Banking Analyst at J.P. Morgan
New York City Metropolitan Area
Past: Investment Banking Summer Analyst at J.P. Morgan
Connect
Jesse Freitag is a mutual connection

At the bottom of the results, there's a link to "See all people results".

Searched “Incoming Investment Banking Summer Analyst at J.P. Morgan” on LinkedIn

Careers in Finance:

(Investment Bank's "Front Office")

- **Investment Banking**

- An investment banker advises clients on financial transactions, such as mergers and acquisitions, and helps them raise capital by issuing stocks or bonds in financial markets.

- **Equity Research**

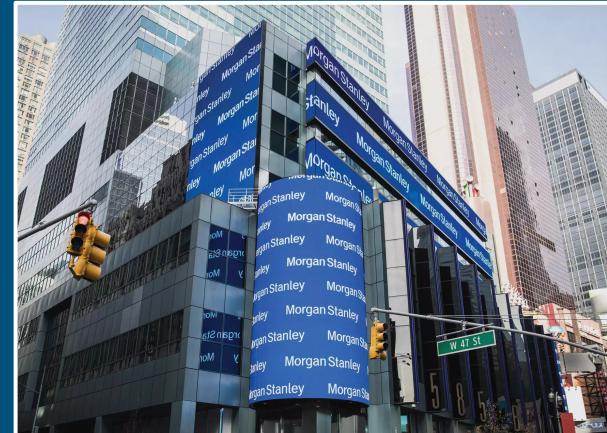
- An equity researcher analyzes financial data, company performance, and market trends to provide investment recommendations and insights on specific stocks or industries to assist investors in making informed decisions.

- **Sales and Trading**

- Sales and trading analysts facilitate the buying and selling of financial instruments, such as stocks or bonds, by providing market analysis, executing trades, and maintaining client relationships to optimize trading strategies.

- **Asset / Wealth Management**

- A wealth management analyst at an investment bank assists high-net-worth clients in managing their financial portfolios, offering personalized investment strategies, and providing ongoing financial advice to help them achieve their financial goals.



Careers in Finance:

- Venture Capital**
- Private Equity**
- Hedge Funds**
- Management Consulting

Good majors: Finance, Business, Economics, Accounting, Math

**These career paths are typically pursued after a few years in a front office role like Investment Banking, Sales and Trading, Equity Research, or Portfolio Management



Careers in Finance:

(Middle and Back Office)

- Accounting
- Risk Management, Analysis, Reporting
- Compliance
- Technology

Good majors for:

- Accounting: Accounting, Finance, Economics
- Compliance: Business, Accounting, Finance, Pre-Law, Economics, Political Science
- Information Technology: Information Tech, Information Systems / Science, Computer Science, Systems & Network Administration, Computer / Software Engineering, Cybersecurity



Careers in Finance:

- Wealth / Asset Management
- Portfolio Management
- Commercial Banking
- Actuarial Science and Insurance
- Economist / Economic Analysis and Research

Good majors For:

- WM, AM, PM, CB:
- Actuarial Sciences:
- Economic Analysis / Research:

Finance, Business, Economics, Accounting, Math
Actuarial Science, Applied Math & Statistics, Pure Mathematics
Economics, Econometrics, Applied Math, Finance



More Careers in Finance!

ADVISORY ROLES	ANALYTICAL ROLES	INVESTMENT DECISION-MAKING ROLES	RISK AND OVERSIGHT ROLES
<ul style="list-style-type: none">• Business Development• Corporate Finance Advisory• Financial Advisor• Financial Planner• Investment Consultant• Merger and Acquisition Advisory• Pension Fund Consultant• Private Banker• Private Equity Limited Partner• Private Wealth Manager• Relationship Manager• Sales• Stockbroker	<ul style="list-style-type: none">• Capital Markets• Commodity Analyst• Credit Analyst• Currency Analyst• Data Analyst• Data Scientist• Economist• Equity Analyst• Equity Strategist• Fund Analyst• FX Strategist• Macro Strategist• Quantitative Analyst	<ul style="list-style-type: none">• Chief Investment Officer• Discretionary Manager• ETF Manager• Fund of Fund Manager• Hedge Fund Manager• Multi-Asset Manager• Portfolio Manager• Proprietary Manager• Real Estate Manager• Sales Trader	<ul style="list-style-type: none">• Anti Money Laundering Officer• Auditor• Compliance Manager• Compliance Officer• Fund Accountant• Risk Analyst• Risk Manager• Trustee

SBU Finance Salary Rankings

Top 20 Public Colleges for Finance Salaries

These graduates earn higher pay than the median graduate in finance

RANK	COLLEGE	ANNUAL SALARY PREMIUM	FINANCE % OF GRADUATES	AVERAGE YEARLY SALARY	2019-2020 AVERAGE NET PRICE
1	University of Virginia-Main Campus	\$19,676	5.81%	\$116,427	\$19,043
2	University of Michigan-Ann Arbor	\$18,818	4.10%	\$115,569	\$17,832
3	Binghamton University	\$18,268	4.51%	\$115,019	\$19,061
4	University of California-Berkeley	\$18,040	2.89%	\$114,791	\$19,329
5	William & Mary	\$15,559	4.17%	\$112,310	\$18,588
6	CUNY Bernard M Baruch College	\$14,416	11.81%	\$111,167	\$3,897
7	Rutgers University-New Brunswick	\$14,386	4.47%	\$111,137	\$17,835
8	Stony Brook University	\$11,414	3.13%	\$108,165	\$16,478

Quantitative Finance

What is Quantitative Finance?

- The combination of **mathematics, statistics, computer science/programming**, and **financial theory** in mathematically modeling phenomena in the financial markets.
- A financial professional who applies mathematical, statistical, and computational methods in finance is referred to as a “**Quant**,” sometimes referred to as the “Rocket Scientists of Wall Street.”
- Skills required: **Deep mathematics/statistics** background, **programming** in 2+ languages(**Python, R, C++**, C, SQL, Java, Perl, MATLAB, to name a few), **basic financial knowledge** (not always required)

$$\frac{\partial V}{\partial t} + \frac{1}{2} \sigma^2 S^2 \frac{\partial^2 V}{\partial S^2} + r S \frac{\partial V}{\partial S} - r V = 0$$

The Black-Scholes Partial Differential Equation (1973)

Quantitative Finance

- Careers in Q.F. can be **EXTREMELY** rewarding and lucrative, with first-year quant analysts seeing an annual salary of between \$150k–\$500k
- Quants typically work at **investment banks, hedge funds, and wealth management** firms
- *Typically* require Master's and/or Ph.D degree in a Quantitative or STEM Field
 - Undergrad Majors: Pure/Applied/Computational Math, Computer Science, Econometrics, Financial Math/Engineering, Physics, Electrical Engineering (consider a double major)
 - Graduate Degrees: Computational/Mathematical/Quantitative Finance, Financial Engineering, Computer Science, Pure/Applied Mathematics, Statistics, Operations Research, Quantitative Risk Management, Theoretical Physics, Econometrics
(Any of these programs are equally good for landing a quant role)



```
language: "text/html"
content: 
<html>
  <head>
    <title>Quantitative Finance Example</title>
    <script>
      // Your quantitative logic here
    </script>
  </head>
  <body>
    <h1>Quantitative Finance Example</h1>
    <p>This is a simple example of how quantitative methods can be applied to finance.</p>
    <table border="1">
      <thead>
        <tr><th>Column A</th><th>Column B</th></tr>
      <tbody>
        <tr><td>Value 1</td><td>Value 2</td></tr>
        <tr><td>Value 3</td><td>Value 4</td></tr>
        <tr><td>Value 5</td><td>Value 6</td></tr>
      </tbody>
    </table>
  </body>
</html>
```

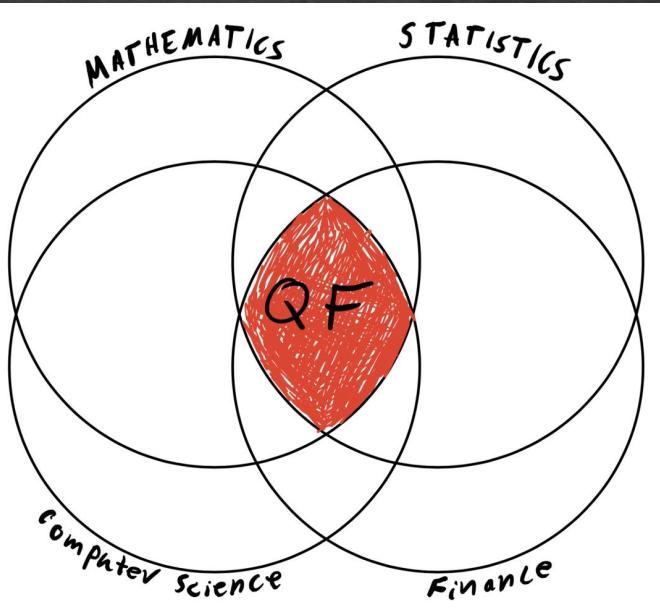
A screenshot of a terminal window displaying a large amount of code, likely PHP, related to a blog application. The code includes various functions, database queries, and configuration settings. The terminal interface shows line numbers on the left and some syntax highlighting.

Careers in Quantitative Finance

Sample Job Titles:

- Quantitative Researcher / Analyst
- Quantitative / Algorithmic Securities Trading
- Quantitative Risk Management
- Quantitative Developer
- Quantitative Strategist
- Model Risk Validator
- Quantitative Portfolio Management
- Hedge Fund Manager
- Financial Engineer
- Data Scientist
- Professor

(Non-exhaustive list)



Prestigious Financial Firms to Work For

INVESTMENT BANKS	HEDGE FUNDS	PRIVATE EQUITY	VENTURE CAPITAL	BROKERAGE FIRMS	ASSET MANAGEMENT	PROPRIETARY TRADING FIRMS
 Goldman Sachs  Morgan Stanley  UBS   Citi 	 CITADEL   	    	    	 	 	    

Typical College -> Internship -> FT Job Pipeline

Summer After Freshman Year	Winter/Spring, Sophomore Year	Summer after Sophomore Year	Summer After Junior Year
<p>Gain experience as an intern at a smaller, local firm. You should also apply to internships for the following summer.</p> <p>No luck with internships? Reach out to professors for RA and TA positions</p>	<p>Attend Early Insight Programs and Internship Info Sessions at major financial services firms.</p> <p>Use this time to network with firm employees, particularly SBU alumni. They will be most inclined to give you a referral or assist you otherwise.</p>	<p>Gain more experience as an intern at a (hopefully) larger firm and apply to internships for next summer as well.</p> <p>Seek positions as a TA or RA, or take a summer course as an alternative.</p>	<p>Ideally, this summer's internship should be at the firm you would like to work for full-time.</p> <p>If you do well in this internship, you may receive a full-time offer to return after graduation.</p>

Jobs/Internship Search Resources (Logos hyperlinked)

