What Can Math Majors Accomplish in The Financial World
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Which Path? -- Banking

- Banking: Private Equity, investment banking, Sales and trade, research, quants.
- Firms: Bulge Bracket, Boutique banks
- Business Advisory/Consulting
- Firms: Mckinsey, EY, Deloitte
- Hedge Funds, Mutual Funds
Who are Your Competitors?

- Business majors: accounting, finance, etc.
- Other liberal arts majors
- Ivy Leaguers
- MBA graduates
What Are the Skill Set You Need?

- Understanding of numbers
- Business acumen
- Ability to read financial reports
- Excel, PPT
- Interpersonal skills
- Networking skills
What Are Recruiters Looking for

- High GPA
- Leadership Skills
- Charisma
- Passion
- Quick thinker (give me an example...)
- Logic reasoning (case study)
- Remain good relationship
Grad School or Not?

- Working Experience is essential
- MBA program
- If you want to go front office, it's not necessary to go to grad school for financial engineering/financial mathematics
Courses Recommended

- MAT 221, 222 -- Stats
- MAT requirements
- Econ 203
- Finance courses -- 301
- Accounting Courses -- 151, 201, 252
- GET 236, 336
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Which Path -- Quants

- Front Office Quants
  - On the trading floor with traders and brokers, high stress, higher salary
- Back office Quants
  - Risk Management, back ended researches, less stressful
Who Are Your Competitors?

- PhD in math, physics, computer sciences, engineer....
- Financial Engineer/ financial mathematicians
What are the Skill Set you Need

- Very strong math background
- Very Strong modeling skills
- Coding: C++, Java, C....
- Understanding in Economics and finance
What are recruiters looking for

- The problem solving skills
- High GPA won't cut it anymore
- No high requirement for interpersonal skills
- Strong math background
Grad School or Not?

- Definitely! Either financial engineering or financial mathematics
- We have some alumni who are pursuing those programs and they can be very good resources
Courses Recommended

- MAT 526
- Game theory, graph theory
- ECN 521 (or MAT 521) ECN 522, ECN 505
- CS classes
- Other upper level math, econ classes
The Mutual Skills

- Resume and Linkedin
- Solid Foundation of math/understanding of numbers
- Ability to use math skills in financial settings
- Presentation skills
- https://www.linkedin.com/in/tessayuqingxie
Books/Resources Recommended to Everyone

- Animal Spirit -- Bob Shiller
- The intelligent Investor -- Graham
- Have your own profile
- WSJ, NYT deal book
- Career Service: seminars, immersion programs
- Harvard 2+2, FM or FE programs in
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