

ZIYU LIU

(551) 229-5554 // ziyu.liu@nyu.edu // [linkedin.com/in/ziyuliu476](https://www.linkedin.com/in/ziyuliu476)

EDUCATION

- Expected 12/23 **NEW YORK UNIVERSITY** New York, NY
The Courant Institute of Mathematical Sciences
M.S. in Mathematics in Finance
- **Expected Coursework:** object-oriented programming (Java), penalized regression, decision trees, linear regression, Fama-French, Black-Scholes, stochastic processes
- 10/20 – 07/21 **UNIVERSITY OF CAMBRIDGE** Cambridge, UK
M.A.S. in Pure Mathematics
- **Coursework:** algebraic number theory, commutative algebra, Weyl algebra, profinite groups and group cohomology, elliptic curves
- 09/16 - 05/20 **MOUNT HOLYOKE COLLEGE** South Hadley, MA
B.A. in Mathematics
- **Coursework:** abstract algebra, real and complex analysis, differential geometry, partial differential equations, combinatorics

EXPERIENCE

- 01/22 - 06/22 **FOSUN CAPITAL (\$7.3B AUM)** Shanghai, China
Investor Relations Intern, Fosun Capital Flagship USD Fund
- Drafted roadshow materials for growth stage USD fund targeting LPs in Asia, Europe, and Australia; participated in roadshows and communicated proactively on fundraising progress
 - Conducted research on secondary funds and completed report covering transaction structure, domestic and foreign market overview, and fundraising in Asia Pacific region
 - Collaborated with TMT, healthcare, and consumer project teams in connecting with potential investors; participated in roadshows; gained insight into multiple sectors
 - Prepared summary report on fund due diligence questions; crafted monthly reports to update LPS with latest developments in fund management
- 07/20 - 09/20 **TOPSPERITY FUND (\$4.7B AUM)** Shanghai, China
Research Analyst, Security Analysis / Consumer and TMT
- Collected TMT and consumer industry trends through 20 expert calls and industry conference calls; consolidated meeting memos and presented findings to fund managers
 - Selected stocks based on financial analysis, fundamentals, sector trends and shareholding structure in TMT and consumer industries based on financial reports and WIND
 - Analyzed companies and stocks in TMT and consumer industries (e.g., RELX, Smoore Intl.) through industry analysis and competitive strengths analysis as well as valuation
 - Automated daily morning reports process with Python and Excel

PROJECTS

- 05/18 - 07/18 **MUHLENBURG COLLEGE REU – REU Math Research** Allentown, PA
Investigation on Partitions with Equal Products
- Initiated new approach to applying combinatorics and number theory; published [paper](#) on integer partitions in International Journal of Number Theory
- Sums of Polygonal Numbers**
- Conducted research and collaborated on report with team members

COMPUTATIONAL SKILLS / OTHER

Programming Languages: Java; Python

Languages: English (fluent), Mandarin (native); German (basic); Homeric Greek (basic)

Activities: President of Association for Women in Mathematics at Mount Holyoke College chapter