

Industry Chat: Investment Management

September 2017

Jessica Katz

Senior Associate Director

MBA Career Management

Jamie Hendel

Recruiting Relationship Manager

MBA Career Management

Agenda

- Working with MBACM
- IM and HF Industry
 - Introductory Overview
 - Company Relationships
 - Functions, Roles and Internships
 - Career Pathways
 - Industry Trends
 - Is IM industry for you?
- Hiring Data
 - Recruiting and Summer Outreach
 - Offers, Compensation and Sponsorship
 - Career Switching
- IM at Wharton
 - Recruiting Strategy and Timeline
 - Wharton & MBACM Resources Clubs, Treks, Conferences
 - Next Steps
- Q & A

Case Example: How Can We Help?



Wesley Lim, WG18

Undergraduate Institution: Stanford University

Pre-Wharton: Singaporean Government









COOKE & BIELER

- Career Switcher
- Industry Diligence
- Modeling and Pitch Prep
- MBACM Partnership
- IM Club and WIMF Engagement
- Interview Prep

MBA Career Management IM Team

JESSICA KATZ SENIOR ASSOCIATE DIRECTOR



Career Advice

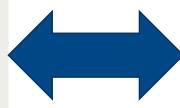
- Self-assessment & decision making
- Networking
- Industry Insight
- Resumes, Cover Letter & Interview Prep

Corporate Relationships

 Develop employer outreach strategy with RRM

Programming

 Develop programs for students interested in IM



JAMIE HENDEL RECRUITING RELATIONSHIP MANAGER



Corporate Relationships

- Strategize best recruiting approach for variety of employers
- Co-manage employer relationships with Career Advisor
- Manage recruiting events

Student Support

 Assist students with logistics of on-campus interview process, job board postings, etc.

Collaborate with professional clubs including, IM and WRDI clubs



Industry Overview

Investment Management Subsectors

Institutional Asset Managers

- Hedge Funds
- **Mutual Funds**









Asset Allocation

- Fund of Funds
- Family Office
- **Insurance Companies**
- Pensions & Endowments
- **Public Company Treasury Departments**





WELLINGTON









Advisory Client Services

- **Private Wealth Management**
- **Fund Consultants**
- **Investment Banks**













Morgan Stanley



Fund

Investing Style Asset Type & Specialization Range of Products Assets Under Management (AUM) Clientele

Culture

Work-life balance Autonomous vs. collaborative Exposure to leadership/mentorship Organizational structure Approach to career development

Roles in Investment Management

Buy-side Analyst

Analyzes financial information as well as relevant company and industry information in order to provide recommendations to fund managers

Sell-side Analyst

Evaluates companies for future earnings, growth and other investment criteria and place recommendations on stocks or other securities which are made available to the brokerage firm's clients

Private Wealth
Management
Associate

Works closely with high net worth clients to create an overall financial strategy that encompasses investments, estate planning, taxes, real estate holdings

Fund of Fund Analyst

Analyzes hedge fund managers and strategies, identify issues and trends within industry. Present recommendations to investment committee

Roles in Investment Management (continued)

Investor Relations

Analyze, create and communicate information about fund to financial community and investors. Typically work directly with CIO/CFO

Strategy

Lead and support the development and advancement of the key strategic initiatives for different business lines. Work closely with business leadership

Investment Consultant

Assist clients with investment objectives, asset allocation structures, investment manager selection and evaluation and performance monitoring

Leadership Development Programs High-profile, "fast-track" MBA programs designed to develop future leaders of the company. Typically offer accelerated career path, customized training, senior executive mentorship. May rotate across business units, functions, and/or regions during LDP period, with final placement in area of interest.

Sample IM Internships



Blue Ridge Capital

MBA Intern, Business Development and Operations
Worked with CFO and COO to assess use of data/technology
tools and quantitative analysis in current investment process.
Overhauled sell-side broker process and interactions tracking

Discovery Capital

Investment Analyst

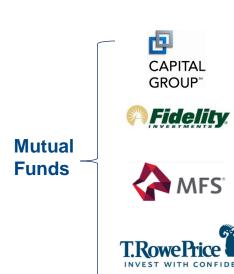
Evaluated investment opportunities in both rates and credit globally and presented recommendations to founder. Created model that successfully predicted Brexit before 5% of results had been published; story made BBG news.



MBA Summer Equity Analyst

Analyzed the Asian security services industry. Performed primary research and visited management teams in Korea and Japan. Presented industry findings and investment recommendations to Capital Group investors in Asia, the U.S. and Europe

Young Alumni Roles in Investment Management



- Kathryn Hagy, Fixed Income Analyst (London)
- Mandela Toyo, High Yield Analyst
- Alejandro Luciano, Fixed Income Analyst
- Donald Zhang, Equity Analyst
- Paul Cho, Equity Investment Analyst



- Adam Pieczonka, Analyst
- Aidan Ryan, Analyst
- DavidsonKempner Zach Dauber, Analyst
 - Sara Carter, Investment Analyst

Young Alumni Roles in Investment Management



- Bebe Zhao, Sr. Research Associate
- Dan Melum, Sr. Research Associate
- Kwaku Abrokawah, High Yield Credit Research Associate
- Brandon Hoffman, Associate



- Kate Powell, Sr. Associate
- Karen Eifler, Director

Private Wealth

J.P.Morgan

Goldman Sachs

WMS PARTNERS -

- Lauren Castillo, Private Banker
- George Dutile, Private Wealth Advisor
 - Abby Holmes, Client Advisor

Career Pathways

BUY SIDE ANALYST



Holly Snyder, WG15

Tiger Global

Analyst
2017-present

Eminence Capital

Analyst 2016-2017

Tiger Global

Consultant 2015-2016

ANALYST → PM



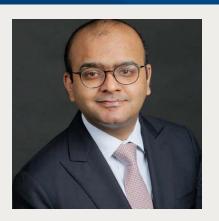
Mahmoud Sharaf, WG07

Fidelity Investments

Portfolio Manager 2010-present

Equity Analyst 2007-present

SELL SIDE → BUY SIDE



Himanshu Sharma, WG15

Pzena Investment Mgmt
Investment Analyst
2016-present

AB Bernstein (formerly Sanford Bernstein)

Sr. Research Associate 2015-2016

IM/HF Trends

- Active and Passive Investing
- Performance and Fees
- Big Data, Artificial Intelligence and Machine Learning
- Hedge Fund Investing Strategies
- Female Asset Managers
- Family Offices

Is IM for YOU?

TECHNICAL SKILLS AND EXPERIENCE



- Varies by fund type and role
- Quantitative / Analytic Skills
- Modeling / Valuation
- Company/Sector analysis
- Prior investing experience – professionally and personally
- Sector / Geographic exposure
- Financial acumen
- Current market intelligence
- 2+2 background common

SOFT SKILLS



- Demonstrated passion for investing / markets
- Communication skills
- Interpersonal skills
- Persuasion
- High conviction
- Intellectual Curiosity
- Creative thinking
- Consistency and attention to detail
- Humble; okay with being wrong
- High risk profile to go after offer, and to make bets
- Self-starter

CULTURE AND LIFE



- Varies by fund type and size
- Collaborative vs. autonomous
- Structured vs. entrepreneurial
- Market driven
- Work life can be great, although summers are tough

Hiring Data

Two Strategies = Two Skillsets

MATURE

- Follow structured process and timeline
- Be ready for when an opportunity is available
- Prepare for and attend "formal" recruiting events
- Market your candidacy and differentiators
- Conduct on-campus interviews
- Manage heavy recruiting schedule in fall/winter



ENTERPRISE

- Navigate unstructured process and timeline
- Be ready if an opportunity becomes available
- Prepare for multi-format networking opportunities
- Proactively build & leverage network, pitch solutions and employment opportunities
- Travel to companies and recruiters
- Sustain recruiting efforts throughout the year

Tailor your strategy to the company/role to ensure recruiting success



Tailor Your Strategy to the Company/Role

YOUR STRATEGY

MATURE

ENTERPRISE

Ideal for firms that are likely to...

- Have an established timeline and process
- Recruit Wharton / other MBAs on a regular and annual basis
- Travel to campus and host recruiting events
- Have dedicated HR/Recruiting staff
- Interview on-campus during FRP
- Make offers to multiple students
- Employ multiple interns from Wharton and/or other schools

Ideal for firms that are likely to...

- ☐ Hire as needed, when needed
- □ Recruit Wharton / other MBAs sporadically, or are first time hirers
- ☐ Use more remote or virtual means to connect with students (less likely to visit campus)
- □ Have a small or no HR/Recruiting staff
- ☐ Interview by phone, web or on-site at company HQ
- Make a few or only one offer
- Employ one intern from Wharton and/or other school



Company Example: CARLSON ...

CUSTOMIZED STRATEGY

STRATEGY	Yes	No
Does the company have an established timeline or process for this role?		
Does the company regularly recruit at Wharton for this role?		
Is there an HR/company representative dedicated to recruiting for this role?		
Will company reps be on campus to recruit for this role?		
Will the company be interviewing for this role during FRP?		

Mature/Enterprise: IM/HF Industry Landscape

Things aren't always black & white within one industry



Level of

MBACM Company Outreach

MBACM has over 800 company relationships with asset managers and have conducted outreach with dozens of funds this summer to reveal hiring needs / trends

Some of the funds returning to campus in 2017-18:











Putnam O TOURBILLON















Key Take-Aways from Summer Outreach

- Wharton students continues to rank highest among investment managers
- IM feedback on student performance:
 - Team Collaboration
 - Passion for investing personal and professional
 - Prepared
 - Competitive and confident
 - Polished
 - Quantitative Rigor
 - Personality / Adaptability





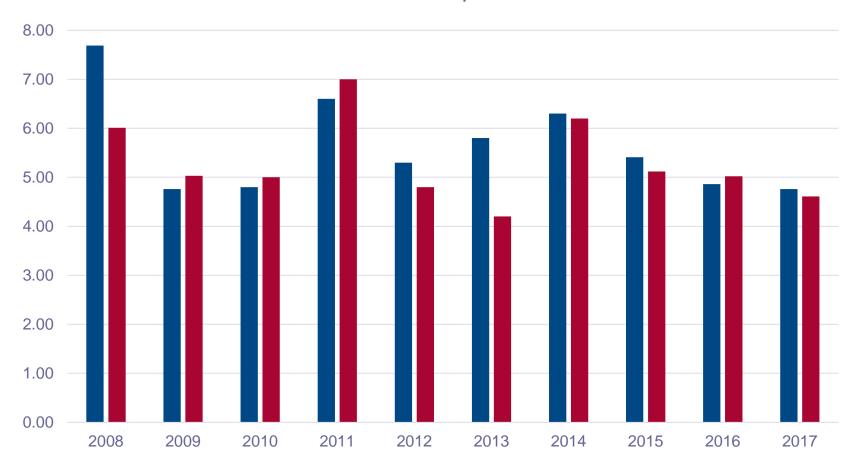




Accepted Internship Offers Investment Management / Hedge Funds

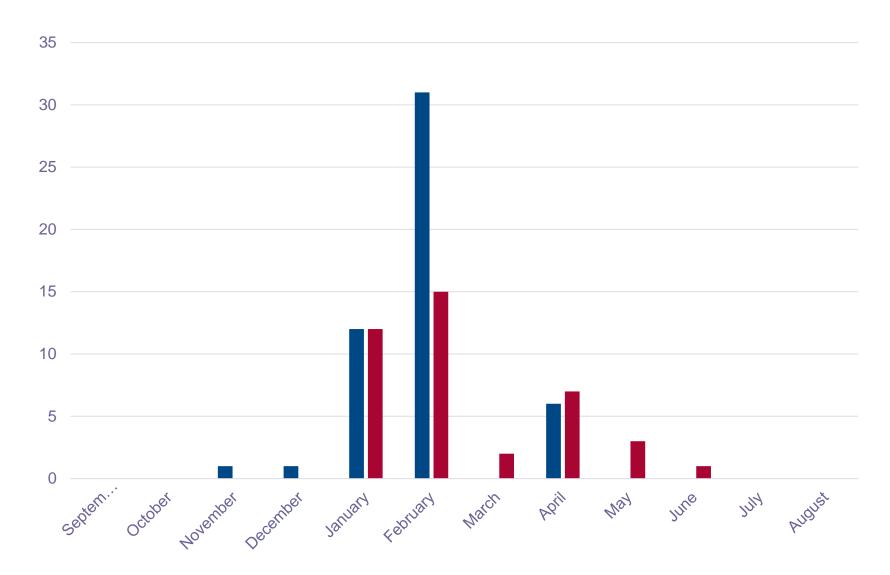
*Preliminary Data as of 7/31/17

% of all accepted offers



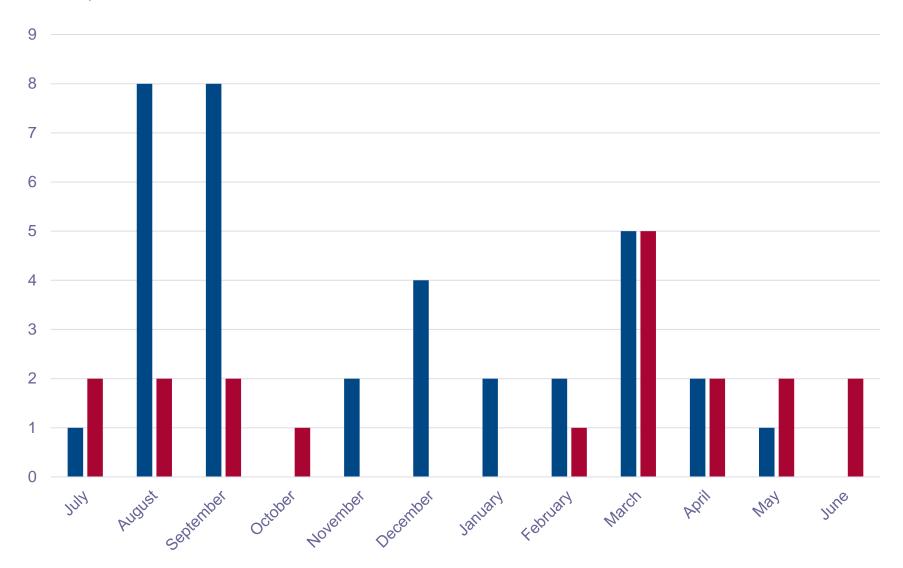
Timing of IM/HF Internship Offers: Class of 2018

*Preliminary data as of 7/31/17



Timing of IM/HF Full-Time Offers: Class of 2017

*Preliminary data as of 7/31/17



Companies That Made Internship Offers in 2017

*Preliminary Data as of August 2017

Hedge Funds

Alyeska Investment Group
Arbiter Partners
Archview Investments Group
Balyasny Asset Management
Briarwood Chase Management
Calixto Global Investors
Citadel – Surveyor
DE Shaw
Elliott Management Corporation

Elm Ridge Capital Management
Fortress Investment Group
FrontFour Capital Group
Hillhouse Capital
Incus Capital
Indus Capital Partners
Knighthead Capital Management
Luxor Capital
Marshall Wace

Maverick Capital
Owl Creek Asset Management
Snow Lake Capital
Spectrum Group Management
Sunriver Capital
Tourbillon Capital Partners
Tybourne Capital Management
Viking Global Investors
Whale Rock Capital Management
York Capital Management

Investment Management

AB (formerly Alliance Bernstein)
AB Bernstein
Adage Capital
American Century Investments
Amundi Pioneer Asset
Management
BlackRock, Inc.
Brandes Investment Partners
Capital Group
Capital Today Group

Causeway Capital Management
ClearBridge Investments
Cooke & Bieler
Dimensional Fund Advisors
Eaton Vance
Fidelity Investments
Franklin Templeton Investments
Fred Alger Management
Hotchkis & Wiley

MFS Investment Management
Neuberger Berman
Oppenheimer Funds
Parnassus Investments
PIMCO
T. Rowe Price. Group
TCW
The Vanguard Group

IM Internship Offers at Banks & PE Shops in 2017

Bank of America Merrill Lvnch	Distressed & Special Situations
Goldman Sachs	Private Wealth ManagementEquity Research
J.P.Morgan	Private Wealth Management
William Blair	Equity Research
Evercore	Equity Research
Wealth Management	Wealth Management
CLEARWATER CAPITAL PARTNERS	Research
LEADEDGE C A P I T A L	Equity Research

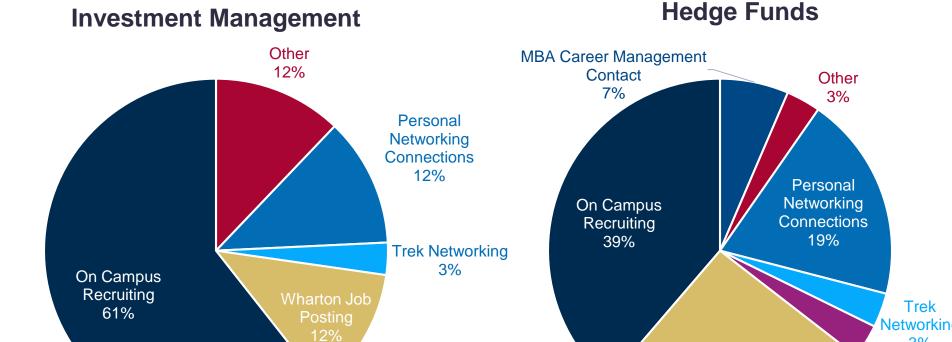
IM Companies That Sponsored Students in 2017

*Preliminary Data as of 7/31/17

IM Companies – Full Time		
AB Bernstein		
IM Companies – Internship		
AB AB Bernstein	Cooke & Bieler Fidelity Investments	Neuberger Berman PIMCO
Hedge Funds – Full Time		
Ariel Investments	Citadel – Surveyor	Viking Global Investors
Hedge Funds – Internship		
Balyasny Asset Management Briarwood Chase Management	Calixto Global Citadel – Surveyor Luxor Capital	Tourbillon Capital Partners Whale Rock Capital Management

Source of Internship Offers: Class of 2018

Preliminary Data as of 7/31/17

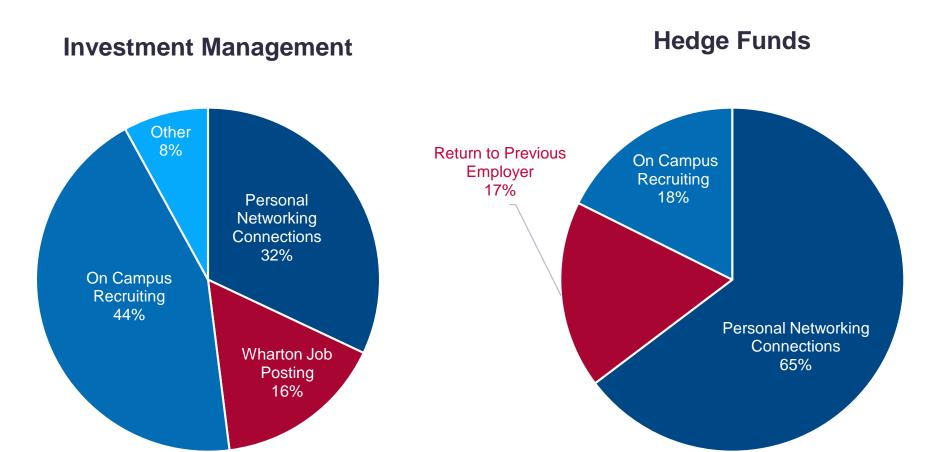


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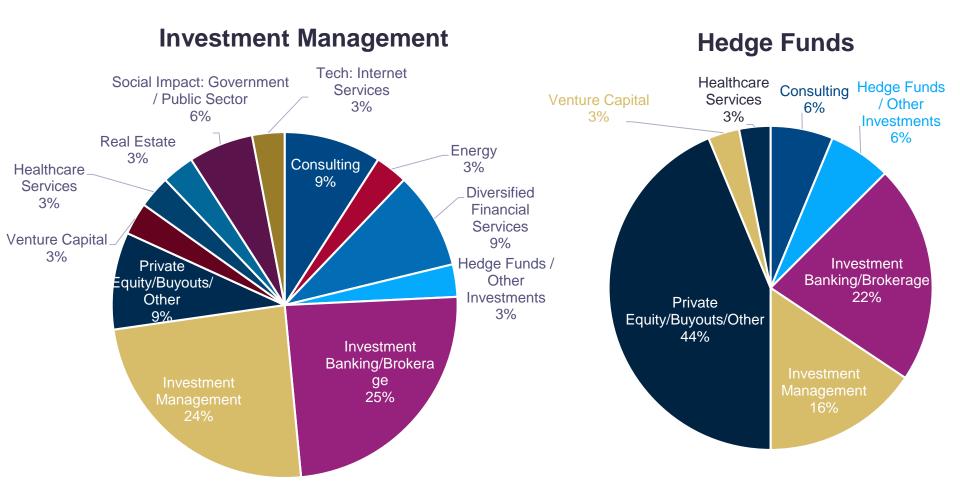
Wharton Alumni Contact 3%

Source of Full-Time Offers: Class of 2017

Preliminary Data as of 7/31/17



Pre-MBA Experience for Accepted Internships: IM and Hedge Funds





Internship Salary Breakdown: Class of 2018

Preliminary Data as of 7/31/17

	HEDGE FUNDS	INVESTMENT MANAGEMENT
Number Accepted	30	32
Number Accepted (with salary data)	30	32
% of Accepted	4.61%	4.76%
Monthly Salary Range	\$5,600-\$17,600	\$2,850-\$14,300
25% Monthly Salary	\$8,800	\$8,750
Median Monthly Salary	\$10,000	\$10,417
75% Monthly Salary	\$11,267	\$11,266
Number with Sign- On Bonus	1	7
Median Sign-On Bonus	\$10,000	\$4,500

FT Salary Breakdown: Class of 2017 Preliminary Data as of 7/31/17

	HEDGE FUNDS	INVESTMENT MANAGEMENT
Number Accepted	18	24
Number Accepted (with salary data)	16	22
% of Accepted	3.25%	4.34%
Annual Salary Range	\$100,000-\$200,000	\$115,000-\$238,600
25% Annual Salary	\$125,000	\$125,000
Median Annual Salary	\$150,000	\$135,000
75% Annual Salary	\$175,000	\$150,000
Number with Sign- On Bonus	7	17
Median Sign-On Bonus	\$20,000	\$40,000

Wharton MBA Alumni Survey 2014 - Total Compensation

Median (25th percentile/75th percentile)

	2010-2014		2005-2009	
Investment Management n=205	\$203,500 (\$176,250/\$269,00	ŕ	\$360,000 (\$250,000/\$620,00	00)
Hedge fund n=69	\$226,250 (\$167,500/\$261,25		\$500,000 (\$270,000/\$775,000)	
	IC	14	VP/D	23

IM Job Search at Wharton

IM/HF Recruiting: Timing of Key Events

August	September	October	November	December	January
	Work on your Resume	EISs begin Oct. 23	EISs continue Treks	FRP apps due Dec. 1-4	FRP: Jan. 8- 11, 19
	MBACM Resume Book	Networking Expo: Oct. 30		Fireside Chats	Treks
	9/11 (feedback)	Treks		IPS	Receive Offer
		Invest, Pitch and Network			
February	March	April	May	June	July-Sept.
WRDI Conf. Interviews Receive	Interviews Receive Offer	Interviews Receive Offer	Interviews/ offers Report your offers	Start Internship	Intern
Offer					

Wharton IM and WRDI Clubs

CAREER TREKS

IM Club:

- NY Credit
- NY Equity
- Boston
- Baltimore
- West Coast
- London
- Hong Kong

WRDI:

- NY Distressed
- NY Restructuring Advisory
- West Coast Distressed
- London Distressed
- Hong Kong Distressed

WORKSHOPS

IM Club:

- Stock Pitch Basics
- Stock Pitch Critiques
- Career Switcher Session
- Lunch & Learn Topical Investment Issues
- Career and Alumni Panels
- Alumni pitch competition
- Fireside Chats
- Preparing for your Summer Internship

WRDI:

- Credit Pitch 101
- How to do Distressed Pitch

COMPETITIONS / CONFERENCE

IM Club:

 Regional stock pitch competitions

WRDI:

- Restructuring & Distressed Investing Conference
- Restructuring case competition (ABI)
- Credit pitch competitions (NYU Credit, T. Rowe, Fidelity)



- WRDI kickoff TBD; 70 current members
- IM club kickoff meeting Sept 11 and social Sept 13; 157 current members
- Lead or Participate in a Trek
- Pitch to Wharton Investment Management Fund

Tips for Recruiting in IM

All Job Seekers:

- Network within IM
- Utilize the MBACM advising, tools & workshops
- Determine where you fit
- Take initiative and dive in
- Follow up and be persistent

Career Switchers:

- Take the time up front to self assess and be confident. IM is really right for you before putting in all the work.
- Signal interest, passion and competence in space via CFA, pitch competitions, WIMF, leadership roles, personal investing, modeling workshops, reading investing books etc.
- Pursue school year internship, time permitting
- Go to IM Club info session for career switchers

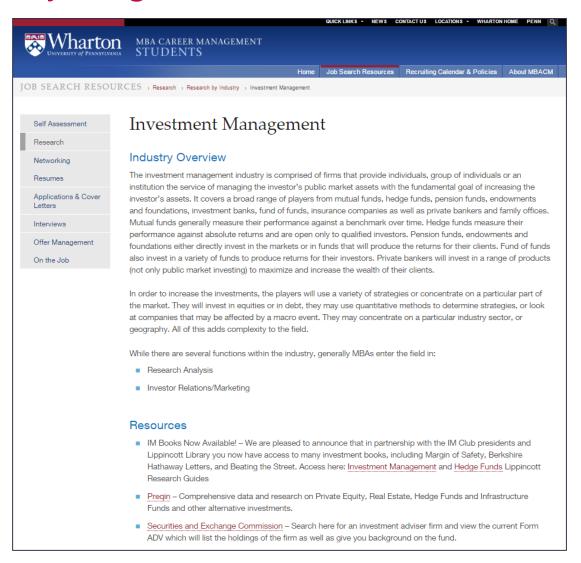
International Students/Global Job Seekers:

- Local experience/expertise is highly valued so focus on roles/regions where you can leverage that expertise.

Recommended Readings

- <u>Value Walk</u> covers breaking financial news with an emphasis on value investing, hedge funds, large asset managers, Tech news, and Business news.
- <u>Trusted Insight</u> the global network of institutional investors to conduct due diligence, explore career opportunities, find investor matches, and find talent.
- Hedge Fund Observer a 'talent dashboard' for the hedge fund community including Who's Hiring, Recent Hires, Company Directories, Hedge Fund Launches, and News & Insights. Use discount code WHARTONHFO for 20% discount!
- Adam Zoia with Aaron Finkel, Getting a Job in Hedge Funds, A Glocap Guide
- Gillian D. Elcock, How to get an Equity Research Analyst Job
- Ben Graham, The Intelligent Investor
- Joel Greenblatt, You Can be a Stock Market Genius
- Keith Moore, Risk Arbitrage: An Investors Guide
- Seth Klarman, <u>Margin of Safety</u>
- More on IM Research page!

IM Industry Page



MBACM Site Research Tools Research by Industry Investment Management

Next Steps and Resources

Online

- Set up your CP profile and submit resume for feedback by Sept. 11th
- Begin your company list
- Use offer directory and talk to 2Ys
- Use SPIKE + LinkedIn to identify, but not yet reach out to Alumni
- Use the IM Industry Page to start your research

Workshops

- Resume Book Training
- Developing Your Pitch
- IM Club events and stock pitch prep including kickoff on Sept. 11th
- WRDI Club events including kickoff on TBD

One on one advising

Set up an appointment (begin 9/5) with Jessica via MBACM website

How We Will Communicate With You

CLASS EMAILS

- Friday delivery (typical)
- Deadlines, workshops, and resources

ADVISOR EMAILS

- Delivery as needed
- Industry-specific advice
- Recommended resources
- Reminders and deadlines

INDUSTRY ALERTS

- Sunday delivery
- Based upon industry preference in CareerPath (opt-in)
- Application deadlines, jobs, and recruiting events

SOCIAL MEDIA







@WhartonMBACM

#WhartonMBACM

Upcoming MBACM Workshops

Sept 5, 6, & 7
 Resume Book Training

Sept 12 International Student Resource Event

Sept 18 & 19 Navigating CareerPath & MBACM Website

Sept 25
 Networking Formula for Success

Sept 26 & 27 Developing Your Pitch

- Register through CareerPath -



Contact Information

Wharton MBA Career Management

50 McNeil Building, 3718 Locust Walk, 215-898-4383

Website: http://mbacareers.wharton.upenn.edu/student

General Email Inquires: mbacareers@wharton.upenn.edu

MBACM Contact Info:

Jessica Katz, Career Advisor <u>jeskatz@wharton.upenn.edu</u>

Jamie Hendel, Recruiting Relationship Manager <u>jhendel@wharton.upenn.edu</u>

Club Leadership Contact Info:

IM: Julia Pei juliapei@wharton.upenn.edu

WRDI: Ray Peng rayzpeng@wharton.upenn.edu

WRDI: John Pryor jpryor@wharton.upenn.edu

WRDI: Brent Wilson ebrent@wharton.upenn.edu



Questions?

Advice from the successful 2nd years

- PREPARE, and PREPARE EARLY! There is SO much that can be done before process kicks off
- Know thyself, reach out early to companies of interest and narrow down targets over time. Remain flexible but focused on interests. Think strategically – select opportunities that make sense both short and long term
- Start working on pitches early and practice
- Network inside and outside Wharton OCR
- Have focused story and be able to clearly articulate how it fits in with firm X
- Take a targeted approach so you don't overextend yourself
- Cast a wide net go on all office visits talk to as many alumni as possible
- Be persistent and prepare multiple stock/credit pitches

Follow MBA Career Management:



Companies That Made Full Time Offers in 2017

*Preliminary Data as of August 2017

Hedge Funds

ADM Capital
Alleghany Capital Partners
Andurand Capital
AREX Capital Management
BlackRock
Citadel – Global Equities

Citadel – Surveyor
FPR Partners
GIC Private Limited
Glenview Capital Management
Jane Street Capital
Knighthead Capital Management

Marshall Wace
Maycomb Capital
Nokota Management
Red Eagle Ventures
Tourbillon Capital Partners
Viking Global Investors

Investment Management

AB Bernstein
Allianz Global Investors
Ariel Investments
Capital Group
Causeway Capital Management
Donald Smith & Co, Inc.
Eaton Vance

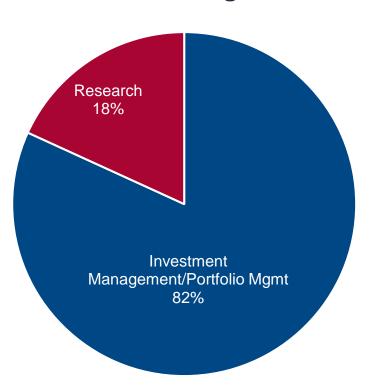
Fidelity Investments
Fine Art Fund
Gabelli & Company
HPS Investment Partners
INVESCO
MFS Investment Management

Moneda Asset Management
Oak Hill Advisors
PIMCO
T. Rowe Price Group
Thornburg Investment Management
Vanguard
Varde Partners

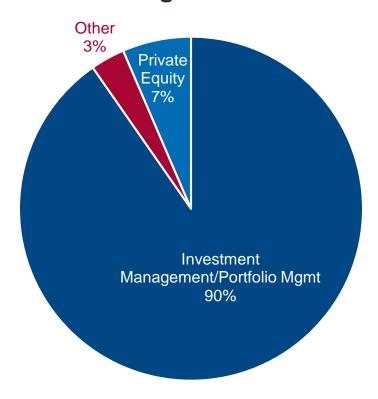
Functional Breakdown of Accepted 2017 Intern Offers

Preliminary Data as of 7/31/17

Investment Management



Hedge Funds



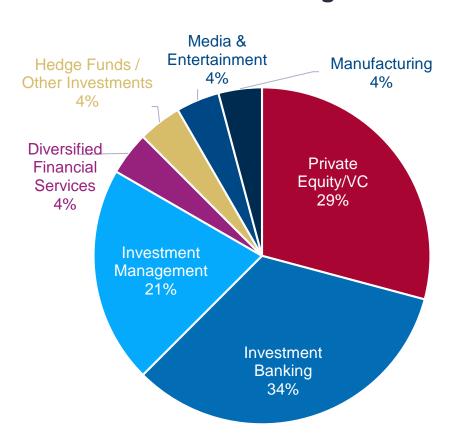
* Class of 2017 data

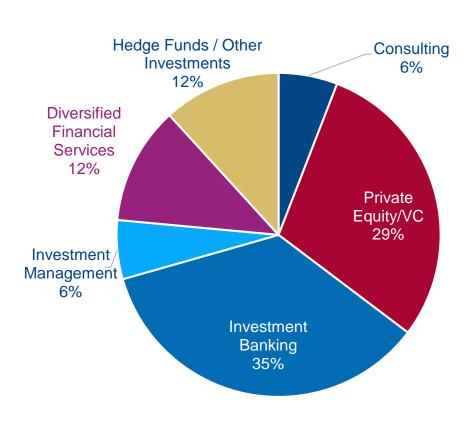


Pre-MBA Experience for Accepted Full Time positions: IM and Hedge Funds

Investment Management

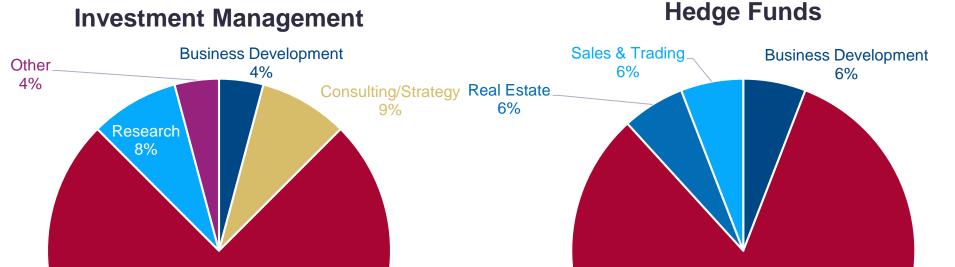
Hedge Funds





Functional Breakdown of Accepted 2017 Full Time Offers

Preliminary Data as of 7/31/17



Investment

Management/Portfolio Mgmt

82%

Investment

Management/Portfolio

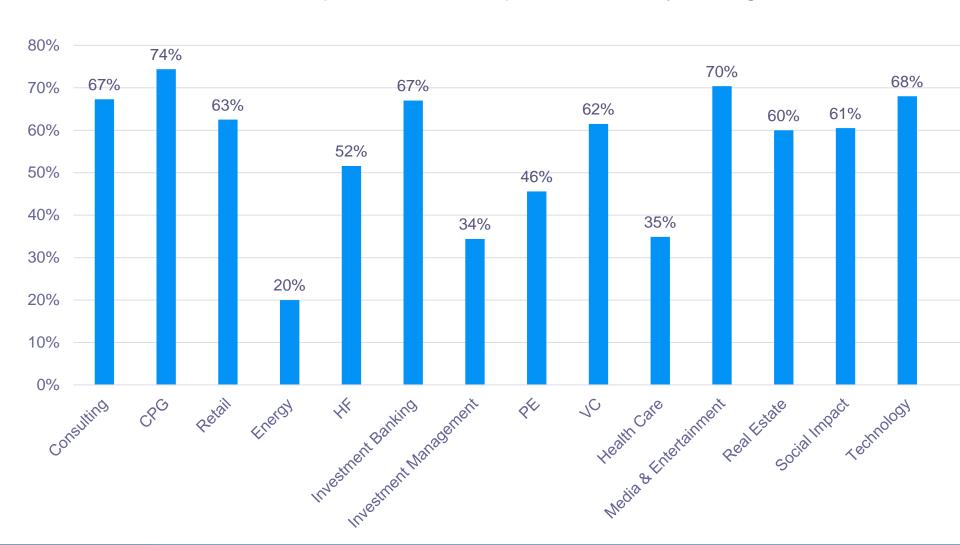
Mgmt 75%



^{*} Class of 2017 data

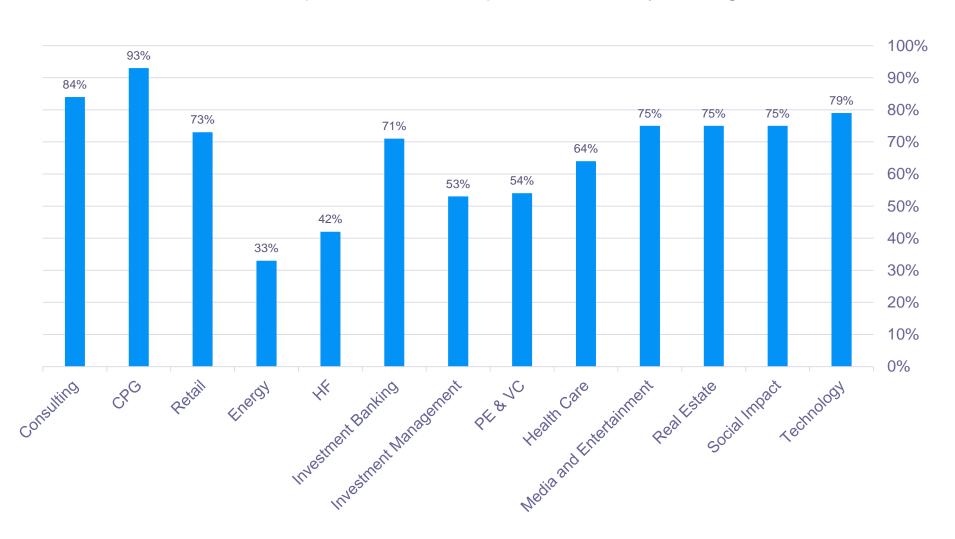
Career Switching

% Intern Accepted Offers – Reported "Industry Change"



Career Switching

% FT Accepted Offers – Reported "Industry Change"



IM Around the Globe







Baltimore	T.RowePrice
Boston	M F S Fidelity. EatonVance Investment Managers
Hong Kong	TROWERICE TYBOURNE CAPITAL MANAGEMENT LACTOR DE Shaw & Co Fidelity PIMCO Your Global Investment Authority DE Shaw & Co Balvasny asset MANAGEMENT LP.
London	FINANCE SPINNAKER CAPITAL GROUP TROWERICE TROWERICE
New York Credit	MatlinPatterson GLENVIEW CAPITAL MANAGEMENT KNIGHTHEAD CAPITAL MANAGEMENT, LIC*
New York Equity	CITADEL Fir Tree Partners Maverick A B BERNSTEIN QVT Financial LP
San Francisco	CITADEL Dodge & Cox Funds* ARTISAN PARTNERS FRANKLIN TEMPLETON INVESTMENTS FRANKLIN TEMPLETON INVESTMENTS
Southern California	PIMCO Your Global Investment Authority TCW Causeway Causeway OAKTREE