

MICHAEL RAEVSKY

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EDUCATION

University of Pennsylvania, Class of 2018

GPA: 3.54

- **The Wharton School:** *Bachelor of Science in Economics with a Concentration in Statistics*
- **The College of Arts & Sciences:** *Bachelor of Arts in Mathematics with a Minor in Physics*

The Bronx High School of Science, Class of 2014

GPA: 4.00

- **Scores:** ACT: 34 (36 Math, 36 Science, 34 Writing, 31 Reading), SAT II: 780 Math II, 790 US History, 800 Physics

INDUSTRY EXPERIENCE

Wharton Angel Network, *Analyst*

Philadelphia, PA | **12/2016 – Present**

- Screening companies by conducting due diligence and questioning founders during pitches to members of the network

Root Technologies, *Founder and CEO*

Philadelphia, PA | **12/2015 – 08/2016**

- Conceived technology and business model behind Root – a green tech IoT device that uses Wi-Fi geo-fencing and machine learning to save users time, turn old appliances smart, and minimize energy waste (see www.roottech.io)
- Raised capital from National Science Foundation, Kleinman Center for Energy Policy, and Penn Engineering
- Admitted to WeissLabs Accelerator (5% acceptance rate) and NSF iCorps (as only all-student/no-faculty team)
- Spearheaded corporate operations– designed novel business, financing, and customer acquisition strategies
- Recruited intercollegiate engineering team, conducted technical interviews, on-boarded best 5/70 applicants
- Managed product development (took idea to minimum viable prototype in 3 months, fully-functional in 8 months)

Amilar Capital Hedge Fund, *Quantitative Trading Intern*

New York, NY | **06/2014 – 08/2014**

- Wrote SQL queries to mine for corporate finance patterns – used insights to make profitable stock option trades
- Formatted input data essential for the firm's automated trading algorithms, wrote Excel macros to automate task

ACADEMIC EXPERIENCE

Wharton Statistics Department, *University Scholar*

Philadelphia, PA | **05/2015 – 08/2015**

- Nominated by Penn admissions committee to pursue independent university-funded academic research
- Built customer-based corporate valuation models that are more accurate and transparent than industry standard
- Worked under mentorship of Dan McCarthy and Peter Fader
- Recruited to Wharton Undergraduate Research Board to orchestrating student research opportunities at Wharton

The Wharton School, *TA for Stat 705: Statistical Computing*

Philadelphia, PA | **03/2016 – 05/2016**

- Graded programming assignments in R and suggested extracurricular R projects for undergraduates and MBAs
- Suggested improvements for course content to professor and answered student inquiries by email

Columbia University, *Researcher (mentored by mathematics professor)*

New York, NY | **01/2011 – 12/2013**

- Investigated graduate-level Number Theory research that analyzes a configuration in Hyperbolic Geometry
- Data mined with Python and R to find previously undetected patterns and to prove statistical significance
- Published and presented research findings – 2nd place in national Sigma Xi scientific research showcase

VOLUNTEERING

- **UPenn Outdoors Club:** Building gear rental app for requesting, sharing, and tracking of camping supplies
- **Philadelphia's Science Leadership Academy:** Coaching the math team and tutoring students
- **National Speech & Debate Association:** Judging high school debate tournaments

SKILLS & INTERESTS

- **Statistical Computing:** R (advanced), Excel (proficient), Python (have used), SQL (have used)
- **Software Development:** Java (have used), Python (have used), HTML/CSS/JavaScript (proficient)
- **Public Speaking:** speech writing and extemporaneous speaking (nationally ranked top-30 PF debater in 2014)
- **Promoting Green Technologies:** achieved ~215% RoI trading Tesla stock and 2-month payback period with Root
- **Interests:** astrophysics, green tea, 20th century literature, Impressionist art, Buddhism, metaphysics, and '70s music