

MICHAEL RAEVSKY

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EDUCATION

University of Pennsylvania, Class of 2018

GPA: 3.54

- **The Wharton School:** *Bachelor of Science in Economics, Concentration in Statistics*
- **The School of Arts & Sciences:** *Bachelor of Arts in Mathematics*
- Free Electives: Intro to Environmental Science (ENVS 200), Corporate Sustainability Strategies (ENVS 669 - audit), Intro to Computer Science (CIS 110), Mathematical Foundations of Computer Science (CIS 160 / MATH 360), LaGrangian Mechanics (PHYS 351), Waves & Oscillations (PHYS 230)

The Bronx High School of Science, Class of 2014

GPA: 4.00

- Extracurricular: Mathematics research thesis, mentored by Columbia Prof. (2nd place at National Sigma Xi Research Showcase), Nationally ranked top-30 PF debater in 2014 (also captain of 25 teams, including NY State champions)
- Select Electives: Statistical Research Methods, AP Physics C (Mechanics + E&M), Linear Algebra, Public Speaking
- 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 investors in the network

Root Technologies, *Founder and CEO/Product Manager*

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)
- 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 the Penn admissions committee to pursue independent university-funded academic research
- Built customer-based corporate valuation probability models that are more accurate than standard regression methods
- Worked under mentorship of Marketing Professor Dr. Peter Fader and Statistics PhD student Dan McCarthy
- Recruited to Wharton Undergraduate Research Board to orchestrate 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

SKILLS & INTERESTS

Statistical Computing: R (advanced), Excel (proficient), Python (have used), SQL (have used)

Software Development: Java (have used), Python (have used), JavaScript/HTML/CSS (proficient)

Teaching: Philadelphia Science Leadership HS Math Team Coach, National Speech & Debate Association Judge

Green Tech: Tesla stock: ~215% RoI, Root: 2-month payback, Horus: 6x profits – plus medicine & sustainability

Interests: astrophysics, green tea, alternative medicine, impressionist art, meditation, philosophy, and Pink Floyd