MICHAEL RAEVSKY

4043 Sansom St, PA 19104 | 201-566-4798 | raevskym@wharton.upenn.edu | raevskym.com

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 (info at 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 –Present**
· 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
· Working under mentorship of Peter Fader, current focus on applying models to green technology companies
· Added 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