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
· Mathematics Research Thesis: Mentored by Columbia Prof., 2nd place at National Sigma Xi Research Showcase
· Public Forum Debate: ranked top-30 nationally (2014), captain of 25 teams, mentor of novice 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/CEO and Product Manager *Philadelphia, PA* | 12/2015 – 08/2016
· Conceived technology and business model behind Root – an 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 $8,500 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: recruited and led 6 engineers to build MVP 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
· Used Excel to format, clean, and analyze data necessary to maintain and administer the firm's trading algorithms

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 with better fit 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

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

Green Tech: Building algorithm to identify opportunities for sustainable harvesting of medicinal plants in Vijay Kumar's agricultural robotics lab, invested incomes from internships into profitable Tesla stock position for 2+ years