

## Matt Rabito

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### EDUCATION

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**Dartmouth College**, Hanover, NH

**Class of 2018**

*Bachelor of Arts: Major in Mathematics and Environmental Science*

**GPA: 3.94/4.0**

Research Experience:

#### **Honors Thesis, Mathematics**

- Received an Academic Honor Citation for my thesis research in graph theory. I've developed new computational methods and algorithms in attempt to solve a 40-year-old conjecture about special data structures known as "trees."

#### **Student Researcher, Goababeb Research Center, Namibia**

- Led a 10-week traveling research program on faunal composition and livestock movements in the Namib Desert, including fieldwork, transects, and GIS study.
- Presented findings and papers in formal reports to the Gobabeb village chief and lead researchers. Demonstrated a 32% efficiency increase in livestock grazing.

**Ardsley High School**, Ardsley, NY

Top 10 student, Excellence in English Award; Honor Musician; School "Wall of Fame"

**Class of 2014**

**GPA: 5.75/5.0**

### WORK EXPERIENCE

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**Greenburgh Town Board**, Greenburgh, NY

**July-August**

*Energy Intern*

**2015**

- Wrote a research report on light pollution and presented findings to the Board, resulting in adoption of LED lights and improved streetlight design.
- Found that light pollution harms human health and disproportionately affects low-income neighborhoods. Saved the town \$350,000 per year in lighting costs: [greenburghny.com/cit-e-access/news/index.cfm?NID=39024&TID=10&jump2=0](http://greenburghny.com/cit-e-access/news/index.cfm?NID=39024&TID=10&jump2=0)

**Children's Environmental Literacy Foundation**, Scarsdale, NY

**September**

*Outreach Ambassador*

**2012 – May**

- Educated community members about the Life-Straw, a personal water filter manufactured by Vestergaard Frandsen (VF).
- Raised \$2500 to help VF distribute Life-Straws to water-poor communities in Uganda
- Attended a collegiate design conference on the National Mall in Washington D.C. to publicize and fundraise for Life-Straw

**2014**

**Scouted Job Matching Platform**, New York, NY

**December**

*Technology Intern*

**2016 - March**

- Wrote proprietary backend code in Python and Java to automate candidate-job matching.
- Worked directly with the company's CTO to develop a  $k$ -means machine-learning algorithm. The algorithm now automatically reads and rates candidate profiles.

**2017**

**Environment America**, New York, NY

*Field Manager*

**June-August**

- Personally raised over \$2,000 towards the passage of President Obama's Clean Power Plan to cut greenhouse emissions nationwide.
- Trained and directed a team of 15 canvassers—set their schedules, assigned locations, and evaluated their effectiveness
- Contributed to lobbying and outreach efforts, helping the Clean Power Plan pass into law.

**2015**

### SKILLS AND AWARDS

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**David Neukom Scholar:** \$1,000 Scholarship awarded for research in computational graph theory

**June 2016**

**ILURS Award:** Invited to present my research at an All-Ivy research symposium at U.Penn

**Nov 2017**

**Winner, Culley Concerto Competition:** Cash prize for my French Horn performance in

**Feb 2016**

Dartmouth's premier solo competition, recognition as a leader in the Music Department

**Software Knowledge:** Microsoft Suite, Adobe Suite, Rhino and SketchUp

**Coding:** Python, Java, and HTML