

# Annamira O'Toole

+1-617-710-0911 ♦ annamira@uname.net

15 Fairfield Street ♦ Cambridge, MA

## PROFILE

---

Enthusiastic gap year student interested in computer science, math, and economics. Seeking opportunities in research and industry. Able to thoroughly work well under pressure and get along with all ages. Passionate about scuba diving and competitive sailing.

## EDUCATION

---

<i>Undergraduate Coursework (during high school)</i>	2012 — 2018	Harvard, Harvard Extension School, Tufts
<i>Cambridge Rindge and Latin High School</i>	Class of 2018	4.67 Weighted GPA
<i>University of Virginia</i>	Class of 2023	Echols Scholar, College Science Scholar

## COURSEWORK AND SKILLS

---

<b>Mathematics</b>	Through multivariable calculus, linear algebra, statistics Abstract algebra covering set, group, and ring theory
<b>Science</b>	Physics, chemistry, and biology
<b>Social Science</b>	Economics, game theory, comparative government Political philosophy, American literature
<b>Programming Languages</b>	Fluent in Java, Python, C++, and OCaml Experience with HTML, CSS, and Javascript
<b>Practical</b>	Unix and Linux command lines, L <sup>A</sup> T <sub>E</sub> X, and Git/GitHub Mathematica and Jupyter Notebook Experience using cloud computing for statistical models on large data sets Experience working and conducting research on an interdisciplinary team
<b>Miscellaneous</b>	Research integrity training from Harvard

## WORK EXPERIENCE

---

<b>MetroHacks</b>	Boston Area
<i>Executive Director of 2017-18 Season</i>	August 2017 - Present

- Entirely student-run hackathon for New England high schoolers.
- Formulated the project timeline, goals, and community outreach for a nine person organizational team.
- Provided support for each sub-team: sponsorship, web design, logistics, marketing, budget, etc.
- For more information: [www.metrohacks.org](http://www.metrohacks.org)

<b>Harvard Institute for Applied Computational Science</b>	Cambridge, MA
<i>Research Intern</i>	February 2017 - August 2017

- Scraped data, implemented Gaussian process statistical models for Boston area air quality, and assisted in the creation of an educational web interface.
- Collaborated on a five person team during the Harvard Data Science Research Experience for Undergraduates program.
- Advisors: Dr. Pavlos Protopapas, Dr. Weiwei Pan

<b>Voyagers Homeschool Co-op</b>	Acton, MA
<i>Math Teacher</i>	September 2014 - December 2014

- Organized and taught pre-algebra class for 9-15 year olds.
- Led group problem solving and mathematical games, among other activities.

<b>Community Boating, Inc.</b>	Boston, MA
<i>Assistant Sailing Instructor</i>	June 2013 - August 2016

- Taught 12-17 year old kids sailing theory, right-of-way rules, how to rig boats, tie essential knots, and safety on the water.
- Taught fleet racing strategy to the summer race team

*References and course transcript available upon request*