Annamira O'Toole

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15 Fairfield Street ♦ Cambridge, MA

PROFILE

Part-time college student interested in computer science, economics, and physics. Seeking opportunities in research and industry. Able to thoroughly work well under pressure and get along with all ages. Passions include scuba diving and competitive sailing.

EDUCATION

Homeschooler with a 3.8 GPA
Undergraduate coursework at Harvard, Harvard Extension School, and Tufts
AP classes at Cambridge Rindge and Latin School

COURSEWORK AND SKILLS

Mathematics	Through multivariable calculus, linear algebra, statistics, set and group theory
Science	College level physics, chemistry, and biology
Social Science	Economics, comparative government, political philosophy, American literature
Programming Languages	Object-based programming in Java, Python, and C++ Mathematica and Jupyter Notebook HTML, CSS, and Javascript
Practical	Unix and Linux command lines, LaTeX, and Git/GitHub Experience using cloud computing for statistical models on large data sets Experience working and conducting research on an interdisciplinary team
Miscellaneous	Research integrity training from Harvard

WORK EXPERIENCE

Harvard Data Science Research Experience for Undergraduates Cambridge, MA
Research Intern June 2017 - August 2017
– Scraped data, implemented Gaussian process statistical models for Boston area air quality, assisted in the creation of an educational web interface, collaborated on a five person team
– Advisors: Dr. Pavlos Protopapas, Dr. Weiwei Pan

Harvard Institute for Applied Computational Science Cambridge, MA
Research Intern February 2017 - June 2017
– Collected and explored air quality data, learned and implemented advanced statistical models
– Advisor: Dr. Pavlos Protopapas

Private Math Tutor Boston Area
Tutor June 2016 - Present
– Worked with 7-16 year olds, taught mathematical concepts with games, puzzles, and word problems depending on the learning style of the student

Tealuxe Cafe Cambridge, MA
Barista August 2016 - Present
– In the process of implementing a job-shop scheduling algorithm to streamline business
– Interacted with customers, prepared drinks and food, cleaned the cafe

Voyagers Homeschool Co-op Acton, MA
Math Teacher 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

References available upon request