

# Erasmus Tani

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## Curriculum Vitae

### Education

- Present **PhD in Computer Science**, *University of Chicago*, Chicago, IL.  
Working under the supervision of Lorenzo Orecchia
- 2017-2019 **Master of Science, Computer Science**, *Boston University*, Boston, MA.  
3.93 GPA
- 2013-2017 **Master of Engineering in Mathematics and Computer Science**, *University of Bristol*, Bristol, UK.  
Graduated at the top of my cohort.

### Research Interests

- Computing Optimization, Machine Learning, Randomized Algorithms, Data Mining  
Mathematics Spectral Graph Theory, Combinatorics, Probability

### Programming Languages and Technologies

- Proficient Python, C, Java  
Intermediate C++, SQL and Matlab  
Some Prior PHP, Haskell Javascript and Pascal  
Experience

### Prior Research Experience

- 2017-2019 **Research Assistant in Algorithms / Optimization**, *Boston University*.  
Conducted research in on algorithms for graph clustering
- Summer 2016 **Research Intern in Algorithms**, *University of Bristol*.  
Worked on Spectral Graph Theory and Sparsification Algorithms under the supervision of Dr. He Sun
- Summer 2015 **Research Intern in Cryptography**, *University of Bristol*.  
Worked on implementing a secure multi-party computation protocol under the supervision of Prof. Nigel Smart

## Selected Awards

- 2017 **Dean's Fellowship**, *Boston University*.  
Awarded non-service fellowship to pursue my first year of PhD at Boston University
- 2017 **Top Computer Science and Mathematics Student**, *University of Bristol*.  
Graduated with the single highest average score (GPA) in my cohort
- 2016 **Bloomberg Prize: Top 5 Penultimate Year Students in Computer Science**, *University of Bristol*.  
Achieved the single highest average grade out of all (approximately 40) third year students in my program at the University of Bristol
- 2015 **Netcraft Prize: Top 10 Second Year Students in Computer Science**, *University of Bristol*.  
Achieved the single highest average grade out of all (125) second year students in my program at the University of Bristol
- 2015 **Faculty of Engineering Prize Studentship**, *University of Bristol*.  
Awarded a studentship on the basis of academic merit to undertake a research project in the Faculty of Engineering in the summer of 2016
- 2015 **Bristol PLUS Award**, *University of Bristol*.  
Conferred the PLUS Award by the University of Bristol Careers Service for life skills gained through extra-curricular activities
- 2011 **United World College Scholarship**.  
Selected for a full scholarship to study at UWCSEA, Singapore, for two years, offered by the United World Colleges' Italian National Committee

## Teaching / Grading Experience

Over the course of my graduate and undergraduate career I've been involved with teaching six different undergraduate courses, and two different graduate courses, in Mathematics and Computer Science. More details are available upon requests

## Human Languages

<b>Italian</b>	<i>Native</i>
<b>English</b>	<i>Full Professional Fluency</i>
<b>French</b>	<i>Lower Intermediate</i>