

Ahaan S. Rungta

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Education

Massachusetts Institute of Technology (MIT)

Cambridge, MA

S.B. IN GENERAL MATHEMATICS (DEGREE EARNED JANUARY 2020)

2015 — 2019

- Undergraduate researcher (Joërn Dunkel Group): biomathematics, analysis of statistical models via Markov Chain theory, MATLAB

Work Experience

MIT Office of Open Learning

Cambridge, MA

DATA ANALYST

2020 — present

- Current leading OpenCourseWare and MITx research projects, collaborating with the US Air Force and MIT Computer Science & Artificial Intelligence Laboratory (CSAIL); noteworthy skills include Python, SQL, and curriculum development and presentation

Fantrax

Remote

CONTRIBUTING WRITER, ANALYST

2020 — present

- Fantasy baseball and fantasy football author; sample pieces: <https://www.fantraxhq.com/author/ahaanrungta>

PrizePicks

Remote

ADVERTISING PARTNER

2021 — present

- Advertising partner for **PrizePicks.com** daily fantasy sports

Team Boston Sports Blogs

Boston, MA

CONTRIBUTING WRITER

2019 — present

- Red Sox Life fan blog contributor; sample pieces: <https://www.redsoxlife.com/search/label/ahaanrungta>
- Celtics Life fan blog contributor; sample pieces: <https://www.celticslife.com/search/label/ahaanrungta>

Massachusetts Institute of Technology (MIT)

Cambridge, MA

GRADER, DEPARTMENTS OF MATHEMATICS, PHYSICS, AND EECS

2016 — 2019

- Grader for calculus, differential equations, mathematics for computer science, and freshman physics

Massachusetts Institute of Technology (MIT) Athletics

Cambridge, MA

OFFICE OF INTRAMURALS

2016 — 2020

- Sport manager and basketball referee (paid); Undergraduate member at large of the intramural executive board (unpaid)

Cybermath Academy

Cambridge, MA

TEACHER AND MATHEMATICAL CONTENT DEVELOPER

2019

- Teacher, content creator for high school summer camp for mathematics olympiads, focused in algebra and number theory

Art of Problem Solving

Remote

GRADER

2016 — 2018

- Graded problem sets in algebra, calculus, and Python

Massachusetts Institute of Technology (MIT)

Cambridge, MA

TEACHING ASSISTANT, DEPARTMENT OF PHYSICS

2016 — 2018

- Teaching assistant for freshmen learning mechanics, electromagnetism

CONFIDENTIAL ORGANIZATIONS

Cambridge, MA

DATA ANALYST, TEAM & COMMUNICATIONS LEADS

2019

- As part of MIT's class *Sports Technology: Engineering & Innovation (2.980)*, I worked with two separate sports teams and utilized skills from machine learning, optimization, and coding in Python, MATLAB, SQL to make an immediate impact on the organizations.
- *Team Lead* for baseball project, leading group of students to present and deliver assignments from the organization on time and strategize effective ways to attack the project. *Communications Lead* role for basketball project, focusing on creating handoff packages and leading presentations of our work in the form of engineering reports, videos, and executive summaries.
- Due to a confidentiality agreement, I cannot reveal further details on my work with these organizations.

Other Experience

MIT Mathematics Directed Reading Program

Cambridge, MA

ADVERTISING PARTNER

2018

- Worked with a graduate student from the Bjorn Poonen Group to study *Problems in Analytic Number Theory* by Ram Murty

MIT Undergraduate Mathematics Association

Cambridge, MA

PRESIDENT, SECRETARY

2016 – 2019

- Lead of MIT's primary club for undergraduate mathematics majors
- As president, oversaw organization of events in the department involving faculty and undergraduate students
- As secretary, handled all communication with mathematics department involving faculty and community on events
- Also an organizer of the *Student Colloquium in Undergraduate Mathematics*, providing lecture-style talks by undergraduates for the undergraduates in the mathematics department at MIT

MIT Mathematics Directed Reading Program

Cambridge, MA

ANALYTIC NUMBER THEORY STUDENT

2018

- Worked with a graduate student from the Bjorn Poonen Group to study *Problems in Analytic Number Theory* by Ram Murty

MIT Educational Studies Program

Cambridge, MA

OFFICER, ADMINISTRATOR, TEACHER

2015 – present

- Teacher, secretary, publicity director, director of teaching resources, online education chair, athletic chair, and director of programs devoted to educating middle school, high school, and college students
- Some selected classes can be found at <http://esp.mit.edu/teach/teachers/AhaanRungta/bio.html>

MIT The Tech

Cambridge, MA

SPORTS EDITOR AND WRITER

2016 – 2018

- Selected works can be viewed at thetech.com/authors/ahaan-rungta

Harvard-MIT Mathematics Tournament

Cambridge, MA

STAFF MEMBER, OFFICER

2015 – 2018

- Problem writer, grader, proctor for contests at Harvard University and MIT
- Social chair, Outreach chair of organization at MIT

Technical Strengths

- **Computer Languages**, Python, SQL, MATLAB
- **Other skills**, LaTeX, Office (Excel, Powerpoint), Video editing, Teaching, Social media

Achievements

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| 2019 | Harold J. Pettegrove Award Recipient , institute award for outstanding service of intramural athletics | Cambridge, MA |
| 2019 | JMM Outstanding Poster Presentation , Presented research in integrable probability and was named one of the top 10% of poster presentations by a panel of mathematician judges at the Joint Mathematics Meetings | Baltimore, MD |
| 2017-2020 | Three-time qualifier (top 15), one-time quarterfinalist , MIT Integration Bee | Cambridge, MA |