

Rohit Shete

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Education

1381 Great Plain Ave, Needham MA

- **University of Maryland**

College Park, MD

BS in Computer Engineering

2025

- **Relevant Coursework:** Object Oriented Programing, Algorithms & Data structures, Signal Processing, Embedded Systems, Proof Based Math, Computer Systems, Discrete Structures, Genome Computing

Skills & Awards

- **Technical:** Java, Python(Pandas, Matplotlib, Numpy), HTML/CSS, LaTeX, MATLAB

- **University of Rochester Bausch + Lomb Honorary Science Award - 2021**

Projects

- **Orimath blog**

- Analyzed relations between Math and Origami, blog has reached over
- Did outreach on Reddit to grow from 2 views per article to 4000+ views, received input from leading expert in the field, Robert Lang
- Learned how origami can solve cubic equations, how origami can increase the projected perimeter, etc.

Experience

- **Mathnasium**

Needham, MA

Tutor

May 2022 - Aug 2022

- Taught students grades K-8 math topics ranging from basic addition to quadratics
- Taught up to 3 students at once
- worked 6-7 hours per week and taught a total of 20 + kids

- **Boston Children's Hospital**

Research Intern

Cambridge (Online), MA

Jul 2020 - Aug 2021

- Worked with Genetics Researcher and Cardiologist
- Genetics Researcher: analyzed potential places of gene mutations to learn how a mutation in that location would affect nearby genes
- involved lots of data crunching to determine distance between genes and importance between two genes
- Cardiologist: used statistics to investigate into different heart conditions, automated a daily blood pressure report with programing and made graphs for zip codes to learn general location of clients
- Used excel to make graphs and VBA macro to automate report in word

Extracurriculars

- **Origami Club**

Needham, MA

Founder & President

2019 - 2022

- Taught a group of 10-20 high schoolers origami, ran online during the peak of covid, made a new lasting community
- Delegated roles to committed members of the club and did outreach at club fair and on Instagram to attract more members, started at 6 and grew to a peak of 20 with outreach

- **FTC Robotics**

Needham, MA

Social Media Manager & Committed Hardware Member

2018 - 2022

- Worked on the hardware of the robot, made great improvements in the linear slide area by researching other robots designs, new products, and , received club innovate award for this
- New design was smoother and more efficient than old slide, future proofed design
- Qualified for states 2021 & 2022 and received Think award and runner ups for Inspire award
- Used social media to help connect with other teams and potential team joiners