

VARUN UNNITHAN

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EDUCATION | THE ACADEMY FOR MATHEMATICS, SCIENCE & ENGINEERING, 520 W MAIN ST, ROCKAWAY, NJ 07866

EXPECTED GRADUATION: 2022

WEIGHTED GPA: 103.2 (100 POINT SCALE)

A rigorous, highly focused four year program for students with career interests in mathematics, science and engineering.

Courses: Calculus 3, AP Physics C, AP Calculus BC, AP Statistics, AP Computer Science A, AP Computer Science Principles, AP Physics 1, AP Chemistry

Awards: Excelsior Award (2018-2021), AP Scholar with Distinction

SKILLS & ABILITIES

COMPUTER SKILLS

- Experience with Java, HTML, CSS, Javascript, React, and React Native
- Able to use 3D CAD and animation tools such as Solidworks and Blender

MATHEMATICS

- Strong understanding of mathematical concepts, up to Calculus 3
- Able to articulate and explain math ideas to younger students

COMMUNICATION

- Can communicate and work effectively with others as well as take directions
- Strong public speaker, and able to give engaging presentations and speeches

EXPERIENCE | SOFTWARE ENGINEERING INTERN, RESILIENCE INC.

VIRTUAL

AUGUST 2021 - PRESENT

- Work to develop back-end systems for the AIMEE mobile application
- Wrote code with Node.js and React Native as well as worked with databases in AWS
- Implemented JSON web token authentication and user account login systems
- Communicate effectively work done with upper management and team members

TUTOR, AGRADEAHEAD, YOUTH PROMISE

1246 US-46 SUITE #1, PARSIPPANY, NJ 07054 AND VIRTUAL

JULY 2019 - APRIL 2020, SEPTEMBER 2020 - PRESENT

- Develop lesson plans and teach students in grades 1-8 in math and science
- Supervise students and regulate classroom atmosphere

HEAD COACH, PAL BASKETBALL PROGRAM

33 BALDWIN RD, PARSIPPANY, NJ 07054

DECEMBER 2019 - MARCH 2020

- Scheduled, developed plans and supervised team practices for 5th-6th graders
- Coordinated player positions and implemented game plans
- Communicated with parents and players through email

ACTIVITIES & AWARDS

FUTURE BUSINESS LEADERS OF AMERICA

- Placed 2nd in New Jersey for the Coding and Programming project and event in 2021
- Placed 5th in New Jersey for the Introduction to Financial Math objective test in 2020

KEY CLUB

- Secretary of Morris Hills High School Key Club
- Communicates and coordinates with higher levels of the Key Club district
- Manages club and club member data

JUNIOR STATE OF AMERICA

- Vice President of Morris Hills High School Junior State of America Club
- Develop plans, facilitate club meetings, and communicate with club members

HACKATHONS

- Placed 2nd for the high school track of the NC State PackHacks Hackathon in March 2021

