

Arun Chintalapati

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Education

MASSACHUSETTS ACADEMY OF MATH AND SCIENCE | GRADE 11 & 12

- Massachusetts Academy of Mathematics and Science, an advanced two-year secondary school program at Worcester Polytechnic Institute (WPI); specialized grade 11 coursework in math modeling, physics, engineering, research, technical writing, computer science, humanities, and Spanish; grade 12 coursework selected from the WPI undergraduate curriculum, including Introduction to Program Design, Object-Oriented Design Concepts, Systems Programming Concepts, Algorithms, Calculus III-IV, Differential Equations, and Introduction to Literature.

SAINT JOHN'S HIGH SCHOOL | GRADES 9 & 10

- Saint John's High School, a private college preparatory school for boys; grade 10 coursework included Honors Precalculus, Honors English II, Honors Chemistry, Honors Spanish II, Honors Intro to Java, and AP European History; grade 9 coursework included Honors Algebra II, Honors English I, Honors Biology, Honors Spanish I, and Honors World History I

SCORES

SAT: 1570/1600 ACT: 35/36 SAT Math II: 800/800 SAT Physics: 740/800

AP Calculus BC: 5/5 AP CSA: 5/5 AP Physics C Mechanics: 4/5

Honors and Awards

- **Grade 11:** National Honor Society Inductee, 2nd place at Massachusetts State Science and Engineering Fair, 3rd place at Worcester Regional Science and Engineering Fair, 2nd place at Fitchburg State University Programming Competition, 2nd place at MetroHacks IV for Health division, Finalist for Project Paradigm, Top 50 in WOCOMAL
- **Grade 10:** 2nd place in New England Jr HS Regional Championship Crew Race, Honor Roll and Headmaster's List
- **Grade 9:** Honor Roll and Headmaster's List

Extracurricular Activities

- **Grade 11 Clubs:** Programming Team, Varsity Math Team, CyberPatriot, SolidWorks CAD elective, Art Club, Car Repair elective
- **Grade 10 Clubs:** Programming Team, Varsity Math Team, Crew Team, Engineering Club, Improv Club
- **Grade 9 Clubs:** Programming Team, Freshman Math Team, Cross Country Team, Crew Team

- **Community Service:** Founded SBS Mathletes (middle school math team), tutored incoming high school freshman, sophomores, and seniors, assembled science kits with People Making a Difference (PMD) at MIT

Research Experience

- **STEM I:** Investigated effects of sensory stimuli on memory recall in *Drosophila* models of Alzheimer's disease
- **STEM II:** Developed a device to assist a client with removing snow from in front of his wheelchair
- **Apps for Good:** Developed an educational application to increase interest in local and state politics in teenagers
- **Independent CS Project:** Developed a 2-dimensional RPG in which the player controls a Spider-man character and explores a vast world full of enemies.

Work Experience

- **Markforged:** Software Engineering Intern July – August 2019
My responsibilities included programming user interfaces in JavaScript and Python for 3-D printer software interfaces and design and analysis of Single-Sign-On with AWS Cognito using various account types.
- **Markforged:** Software Engineering Intern July 2020 - Present

Computer and Laboratory Skills

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|---------------|--------------|-----------------------|----------------|
| • Java | • JavaScript | • Game Maker Studio 2 | • SolidWorks |
| • Swift | • HTML | • Android Studio | • WordPress |
| • Python | • CSS | • Mathematica | • Google Suite |
| • Objective C | • Bootstrap | • Audacity | |

Certifications

- **MITx on edX:** 6.00.1x: Introduction to Computer Science and Programming Using Python (Aug 2019)
- **Udemy:** The Complete 2020 Web Development Bootcamp (Jan 2020)
- **Udemy:** Understanding TypeScript – 2020 Edition (Jan 2020)