

# Maya Ravichandran

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## Education

- Rutgers University - Honors College, New Brunswick, NJ (Sept. 2017 – May 2021)
- B.S. in Computer Science, Minor in Mathematics
  - Presidential Scholar; GPA: 4.00/4.00; SAT: 2400
- High Technology High School, Lincroft, NJ (Sept. 2013 – June 2017)
- #1 STEM high school in the country, as ranked by *U.S. News & World Report* in May 2018

## Experience

- Research Intern, National Institutes of Health* – Bethesda, MD (May 2018 – Present)
- Analyzing next generation sequencing data for osteosarcoma diagnosis at National Cancer Institute
- Software Development Intern, Commvault* – Tinton Falls, NJ (June 2017 – August 2017)
- Designed and developed a dynamic web GUI for continuous integration/continuous deployment (CI/CD) of cloud storage administration
  - Full stack development using Angular, Bootstrap, HTML, CSS, Java, and SQL
- Research Intern, Princeton University* – Princeton, NJ (July 2016 – January 2017)
- Investigated the impact of sulfate attack on the atomic structure of eco-friendly alkali-activated cement
  - Analyzed eight million data points from Advanced Photon Source particle accelerator in Argonne National Laboratory using suite of original Python programs
  - Identified atomic bonds using Fourier transforms and X-Ray Pair Distribution Function analysis
  - Wrote research paper and presented findings in multiple venues
- Rutgers University**, New Brunswick, NJ (September 2017 – Present)
- *Senator*, Rutgers University Senate and Rutgers University Student Assembly
    - Represent >20,000 School of Arts and Sciences undergraduates to Senate of Rutgers University – New Brunswick, Newark, Camden, and Health Sciences
  - *Vice President*, Undergraduate Student Alliance of Computer Scientists
    - Lead efforts to improve computer science education for Rutgers students
  - *Junior Analyst*, Rutgers Student Managed Fund (manages ~\$120,000 portfolio)
    - Stock recommendations and valuation, financial statements analysis, projections, DCF models
  - *Residential Student Leader*, Rutgers University Honors College
    - Mentor Honors College students; design and execute events meeting Honors College educational goals
  - *Development Lead*, Disrupt HC (entrepreneurship/startup)
    - Lead team of ~10 students in developing a physical therapy product using Myo armband
  - *Director of Technology*, Rutgers Venture Capital Club
    - Coordinate professional development and educational events for students interested in venture capital
  - *Organizer*, HackRU and HackHERS (computer science)
    - Develop programming projects to help run HackRU, Rutgers's student-run hackathon; mentor HackRU participants on their projects; organize outreach for Rutgers's women-centric hackathon

## Skills

Coding: Python, Angular, Java, R, JavaScript, TypeScript, HTML, CSS, Bootstrap, SQL, Matplotlib, Git/GitHub

Skills: Spanish, Statistical analysis, Financial analysis, Microsoft Excel, CAD (Autodesk Inventor), Arduino

## Awards/Honors

- Finalist, Intel International Science and Engineering Fair (ISEF), Los Angeles, CA (May 2017)
- US Congressional Award Gold Medal (May 2016)
- National AP Scholar (July 2016)
- Technology Student Association: TEAMS (Tests of Engineering Aptitude, Math, and Science) – Ninth place in nation (June 2017)
- Violin: Performed in Carnegie Hall (March 2014) and Lincoln Center (April 2014)
- hackBCA III hackathon: Most Creative Beginner Hack award (April 2016)
- Delaware Valley Science Fair: First place – Chemistry (April 2017)
- New Jersey Science League: First place team in state, Honors Environmental Science (May 2015)