

SRISAI NACHURI

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EDUCATION

University of California, Berkeley

Aug. 2019-May 2023 (expected)

- Bachelor of Science in **Electrical Engineering and Computer Sciences** (GPA: 3.675)

Completed Coursework: CS 61A (Intro. CS), EECS 16A (Design, Circuits, Linear Algebra), PHYS 7B (Physics E&M)

Current Coursework: CS 61B (Data Structures), EECS 16B (Design, Circuits, Differential Equations)

Dougherty Valley High School (San Ramon, CA)

Aug. 2015- Jun. 2019

- GPA:** 4.00/4.79 (Unweighted/UC A-G Weighted)
- Relevant Coursework/AP Scores:** AP Computer Science (5), AP Calculus BC (5), AP Biology (5), AP Chemistry (5), AP Physics C: Mech. (5), Analytic Geometry/Calculus III (Diablo Valley College), Intro. Java Programming (Ohlone College)
- Examinations:** SAT (1550), ACT (35), SAT Math 2 (800), SAT Biology M (800), SAT Chemistry (800)

EXPERIENCES

Berkeley Model United Nations (Berkeley, CA)

Vice Chair, African Union Committee

Oct. 2019 - Present

- Vice Chair for the African Union Committee of BMUN, a 501(c)(3) non-profit and oldest MUN conference in the world
- Contribute to team blog to inform students of new developments and key information within scope of our two IR topics
- Work with 2 other chairs to develop curriculum for our 3-day conference for high schoolers on two IR topics

Tech Staff

Oct. 2019 - Present

- Member of Tech Staff to update organization website, student/school portal, and new applications for conference
- Currently learning **ReactJS**, **Flux**, **Django** to address future bugs and contribute to new features

MyElth Inc. (Dublin, CA)

Web Development Intern

Feb. 2019 – Aug. 2019

- Worked under a lead developer to understand the usage of **ReactJS** and **Redux** libraries in a health management portal
- Fixed various bugs and contributed to **Redux form** field validation and **Material-UI** formatting in patient profile page

PROJECTS

Speech to Matrix Solver

Nov. 2019 – Dec. 2019

- Worked in team of 4 to construct web-app to solve matrices via Gaussian Elimination with functionalities to parse verbally dictated user-input; written with **JavaScript**, **HTML5**, **CSS**, and HTML5 Speech Recognition API; (Link: <https://github.com/ashwatc/SpeechMatrixSolver>)

Graphing Calculator

Sept. 2017 – Dec. 2017

- Graphing calculator with basic functions including derivatives, integrals, POIs, relative extrema; written with **Java**, **Python**, Glassfish Server, RESTful Webservices; (Link: <https://github.com/srisainachuri/MyGraphingCalculator>)

Microbial Fuel Cell

Aug. 2017 – Mar. 2018

- Built wastewater-powered microbial fuel cell; used online simulator to collect bandgap data on semiconductor catalysts
- Received special award from local wastewater treatment facility at Contra Costa County Science Fair

SKILLS/ABILITIES

- Programming:** Python (Libraries: NumPy, Matplotlib), Java, JavaScript, ReactJS, SQL, Scheme
- Communication:** 4 years speech/debate experience, lecturing in high school clubs on science topics
- Teamwork/Leadership:** Positions in high school clubs, management role in nonprofit org., group coding projects

ACTIVITIES AND ACHIEVEMENTS

Speech and Debate

Aug. 2015 – Jun. 2019

- Achievements:** Qualified to California State Tournament twice (Semifinalist 2019), Qualified to Tournament of Champions twice (Octofinalist 2018, Quarterfinalist 2019), National Tournament (Triple-Octofinalist)

Lieutenant Captain

Aug. 2018 – Jun. 2019

- Led Public Forum team in weekly meetings/drills; worked with general Speech/Debate leadership team to plan events/tournaments; helped younger students develop speaking skills

Biology Club

Aug. 2015 – Jun. 2019

- Achievements:** Semifinalist in USA Biology Olympiad (Top 9% Nationally)

President (previously: Secretary, Treasurer)

Aug. 2018 – Jun. 2019

- Conducted weekly biology lectures for high school students, created lecture content now used as primary club resources
- Organized biology competitive examinations for school, ran AP Biology final reviews in coordination with teachers

Other Achievements

- National Finalist in US Earth Science Olympiad 2019 (Top 36)
- 2nd Place Engineering Category 2018 Contra Costa County Science fair