

RISHI PEDDAKAMA

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I am a High School Student with a passion to help others using technology and social networking. I have a skillset in Artificial Intelligence, Full-Stack development and entrepreneurship.

WORK EXPERIENCE

MARCH 2020 – MAY 2021

CO-PRESIDENT, SHIELD OUR HEALTH HEROES ([WEBSITE](#))

3D-printed face shields and donated to local hospitals. Raised over \$1000 and was featured in [Union Tribune](#) and [ABC news](#). I designed the website and marketed through various social media outlets including Facebook, Instagram, and Nextdoor.

APRIL 2020 – AUGUST 2021

EXECUTIVE, ZIPLINE THEORY ([WEBSITE](#))

Taught Computer Science and Business to elementary school students. Improved both speaking and teaching skills and learned valuable marketing techniques.

APRIL 2020 – CURRENT

VICE PRESIDENT, DEL NORTE HACKCLUB

Created a computer science club with 30+ members. We teach python to our members and plan on doing outreach (in the form of creating websites for other clubs and school) and possibly hosting a hackathon.

OCTOBER 2021 – CURRENT

INTERN, VOICE OF SPECIALLY ABLED PEOPLE (VOSAP)

Part of VOSAP's first intern cohort. Work consisted of running social marketing campaigns for donations, events, and rebuilding the website/app.

DECEMBER 2021 – CURRENT

INTERN, EXERCISM

Tech intern at one of the fastest growing beginner coding platforms. Helped develop content for numerous language tracks and an active member of the main development team.

JANUARY 2022 – CURRENT

RESEARCH INTERN, VIRGINIA TECH

Interning at Dr. Bo Ji's lab. Research centered around reinforcement learning specializing in multi-armed bandit learning and its many applications to real world decision-making scenarios. Research will be published.

JANUARY 2022 – CURRENT

RESEARCH INTERN, MICHIGAN ST. UNIVERSITY

Interning at Dr. Kevin J. Liu's lab. Research centered around gene genealogies, variation, evolution and their applications to artificial intelligence. Research will be published.

ACHIEVEMENTS

2020 - CURRENT

MULTIPLE HACKATHONS WINNER

Won competitions in which a product had to be made given a particular theme

APRIL 2020 - CURRENT

COMPETITIVE PROGRAMMING

Solving google-interview-esc questions rooted in fundamental computer science concepts with an emphasis on data structures and efficient algorithms (many of which are mathematical). Developed strong analytical and problem-solving skills.

Honors:

- USA Computing Olympiad Gold Division (**Top 200** high school students in the country)
- American Computer Science League **National Finalist**
- Google Code-Jam 2x Qualifier
- Google Kickstart – Placed in 85th percentile numerous times in the 2020 and 2021 season
- Facebook HackerCup 2x Qualifier

FEBRUARY 4, 2021

SCRIPPS HOSPITAL LEADERSHIP CERTIFICATE (YOUNG LEADERS IN HEALTH CARE)

Dr. Acardi recognized us for the contributions I made during the Shield Our Health Heroes campaign to Scripps Encinitas Hospitals staff during the pandemic.

PROJECTS

NOVEMBER 2021 – CURRENT

PERSONAL RESEARCH, (MENTORED BY UCSF PROFESSOR)

Conducted research on convolutional neural nets and their applications to thyroid cancer (nodule) diagnosis from ultrasounds. A diagnostic approach different from the traditional, yet time consuming and invasive, fine needle aspirations. Paper is completed and soon to be published in formal journals and submitted to conferences/competitions. My inspiration came from seeing what my sister went through when she was diagnosed with Thyroid Cancer.

JUNE 2021 – AUGUST 2021

COMPETITIVE PROGRAMMING JUDGE ([GITHUB](#), [WEBSITE](#))

Built using React frontend, node backend (run with docker). Run on raspberry pi utilizing NGINX

SKILLS

- Artificial Intelligence / Data Science (Computer Vision and Deep Learning)
- Version Control (git, GitHub)
- Scientific Research
- Full-Stack, App Development, Deployment
- JS/TS, java, Python, C++
- Data Structures & Algorithms
- Marketing

EDUCATION

- [Del Norte High School](#); 11th Grade; 3.96 unweighted gpa; 4.3 weighted gpa
- Completed 3 AP Classes (Chemistry, Calculus AB, European History); 5 on all AP tests
- Currently taking 4 AP Classes (Computer Science, Calculus BC, English Language and Composition, Physics C. Mechanics)