RISHI **PEDDAKAMA**

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rishipeddakama@gmail.com **LinkedIn** **GitHub** **Portfolio**

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

MAY 2022 – CURRENT

INTERN, CODECOMBAT INC.

Paid intern; worked on content for the AP Computer Science Principles education product line. Also a backend developer for the Ozaria game that is used by 20 million learners worldwide (organized code, removed extraneous features, worked with other developers).

JUNE 2021 - CURRENT

FOUNDER & CEO, DAMIANOS SOLUTIONS

Software design company. Designed numerous technical products in various industries ranging from lifestyle to education, and journalism. Currently speaking with clients to secure possible acquisition/licensing deals. Plan to hire in the future.

MAY 2022 – CURRENT

RESEARCH INTERN, UCLA

Interning at Dr. Cho-Jui Hsieh's lab. Research centered around black box adversarial attacks. Investigating the use of small image perturbations, unnoticeable to the naked eye to skew a model's predicted results. Research will be published.

JANUARY 2022 – JUNE 2022

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.

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 it through various social media outlets including Facebook, Instagram, and Nextdoor.

OCTOBER 2021 – JUNE 2022

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.

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.

JULY 2022 – AUGUST 2022

MEMBER, MIT BEAVERWORKS SUMMER INSTITUTE

Summer program for rising high school seniors to learn about pioneering technologies and hear from numerous experts in the field. Selected as a researcher in the most competitive course: autonomous vehicles.

ACHIEVEMENTS

2020 - CURRENT
MULTIPLE HACKATHONS WINNER
Won competitions in which a product had to 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 400** high school students in the country)
- 2x American Computer Science League **National Finalist & 120th in the United States**
- Google Code-Jam 2x Qualifier (College level competition)
- Facebook HackerCup 2x Qualifier (College level competition)
- Google Kickstart – Placed in the 85th percentile numerous times in the 2020 and 2021 season

FEBRUARY 4, 2021
SCRIPPS HOSPITAL LEADERSHIP CERTIFICATE (YOUNG LEADERS IN HEALTH CARE)
Dr. Acardi recognized me for the contributions I made during the Shield Our Health Heroes campaign for 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.
- **First place** at the Greater San Diego Science and Engineering Fair for the Computational Biology category
- **Speaker** at the 10th Annual Summit on Data Analytics for Healthcare
- **Invited** to SCCUR Conference and Columbia University Undergraduate Research Conference

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; 12th Grade; 3.97 unweighted gpa; 4.37 weighted gpa
- Math 200 (Linear Algebra) at Palomar College
- Completed 7 AP Classes (Computer Science A, Calculus AB, Calculus BC, Chemistry, Physics C: Mechanics, European History, English Language and Composition); 5 on all AP tests
- Currently taking 4 AP Classes (Physics E&M, Statistics, Literature, Government)