

## KESHAV NARANG

[keshavn@ohs.stanford.edu](mailto:keshavn@ohs.stanford.edu) | [www.keshavnarang.tech](http://www.keshavnarang.tech) | (510) 641-6068

### EDUCATION

GPA: 3.95U, 4.75W | ACT: 36 | PSAT: 1520

**Stanford Online High School**  
**Basis Independent Silicon Valley**

Redwood City, 2021 - 2024  
San Jose, 2020 - 2021

**Relevant Coursework:** Multivariable Differential and Integral Calculus, Linear Algebra, Differential Equations, Data Structures and Algorithms, Computer Systems, Data Science

**Skills:** Proficient: R, C, C++, Java, Python | Intermediate: HTML, CSS, JavaScript, PHP, SQL

### LEADERSHIP EXPERIENCE

#### **GreenTeamPower - Founder and President**

- 501(c)(3) nonprofit organization ([greenteampower.org](http://greenteampower.org))
- Promotes renewable energy education, sustainability, and advocacy through workshops, educational materials, rallies, and The EcoAdvocate blog and podcast.
- Secured \$3,000+ funding, conducted 10+ workshops, delivered 20+ presentations, led 15+ environmental projects primarily serving historically marginalized communities.
- Book (Amazon Link):

#### **ASK Solar Panel LLC - Co-Founder & Chief Technology Officer (CTO)**

- Renewable Energy Startup ([asksolarpanel.com](http://asksolarpanel.com))
- Integrates energy storage capabilities into solar panels, facilitating sustainable transitions. Contributed to software design and obtained a \$20,000 *pro bono* award from ArentFox.
- Patent app 63/456519: Solar supercapacitor integrated with perovskite technology

#### **Renewable Energy Club - Founder and President**

- Conducted research and presented case studies on equity-focused renewable energy campaigns. Received a \$500 EarthForce grant to support public commenting initiatives.

#### **Artificial Intelligence Club - Founder and President**

- Led collaborative projects, invited guest speakers, and educated on topics including Generative Artificial Intelligence, Sound Classification, and Computer Vision.

#### **Leadership and Activism Club - Co-Founder and President**

- Partnered with Feeding America to organize a fundraiser during COVID-19 to donate 25,000+ meals. Hosted workshops to empower students to create impactful nonprofits.

#### **Data Science - Teaching Assistant**

- Selected and launched the Women in Data Science (WiDS) program at the school, taking on responsibilities such as homework review and hosting office hours to support students.

## WORK EXPERIENCE

### Stanford University, Gevaert Labs

June 2023 - Present

Paid Researcher, Advisors: Alexander Henry Thieme MD, Eric Yuanning Zheng PhD  
Stipend from Stanford Institutes of Medicine Summer Research Program (SIMR)

## RESEARCH EXPERIENCE

### Stanford University, Bhalla Labs

August 2023 - Present

Student Intern, Advisor: Vivek Bhalla MD

### Independent Research

August 2022 - June 2023

Student Researcher, Advisor: Madhav Subramaniam

### Independent Research

August 2021 - May 2022

Student Researcher, Advisor: Kalee Tock

## RESEARCH CONFERENCES

American Solar Energy Society (ASES) National Solar Conference (2024)

American Academy of Environmental Engineers and Scientists Autumn Summit (2023)

Sigma Xi International Forum on Research Excellence (IFoRE) (2023)

Writing at the Center: The Secondary School Writing Centers Association (SSWCA) and

Northern Virginia Writing Project (NVWP) Conference (2023)

Society for Astronomical Sciences Annual Symposium (2022)

Robotic Telescopes, Student Research, and Education Conference (2022)

## PUBLICATIONS

*MedFM: A Transformer-Based Foundational Model for Medical Image Classification using Transfer Learning from PubMed Central* (Submitted for Review, Awaiting Publication)

*Leveraging Data to Create an Inclusive Center: What Happens When Writing at the Center is Not at The Center?* (Submitted for Review, Awaiting Publication)

*Astrometry of COU 606 and COU 929 at Mt. Wilson Observatory* (Submitted for Review, Awaiting Publication)

*Observations and Analyses of 28 Common Proper Motion Double Stars* (Submitted for Review, Awaiting Publication)

*The Position Angle, Separation, and Additional Component of STF 1300* ([Journal for Double Star Observations](#))

*Exploring Short Period Red Dwarf Binaries in the Solar Neighborhood Speckle Interferometry and Gaia – IV* ([Journal for Double Star Observations](#))

## AWARDS

Conrad Challenge 2023 Pete Conrad Scholar – 1st in Energy & Environment (Team ASK)

VEX Robotics 2023 World Championship – 1st Place Winner (Team 11101B)

World Science Scholar 2023 – 1 out of 55 scholars selected worldwide

National Merit Semifinalist 2023 – 1520/1520 on PSAT

Davidson Institute Young Scholars Ambassador 2021 – 1 of 12 students selected nationally

AP Scholar with Distinction 2020, 2021, 2022, 2023