

Varun Shenoy

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EDUCATION

Cupertino High School, Cupertino, CA Ex. June 2019
GPA: 3.98 U/W, 4.22 W

EXPERIENCE

UC Berkeley Artificial Intelligence Research (BAIR) Lab, Berkeley, CA June 2018 - Present
Research Intern

Working with to develop accurate segmentation algorithms for MRIs and medical image synthesis.

Palo Alto Veterans Affairs Hospital, Palo Alto, CA June 2017 - Present
Data Scientist

Developing deep learning algorithms to identify conditions in a postoperative wound only using image data. Collaborating with researchers from Stanford University, WUSTL, and the VA Hospital to collect and analyze images. Sole programmer on the team.

Techlab Education, Saratoga, CA June 2016 – Aug. 2016
iOS Curriculum Developer

Designed comprehensive iOS development curriculum for middle and high school students. Created a detailed guide to the Swift programming language and tutorials for twelve simple apps using different Apple APIs.

Boy Scouts of America Troop 407, Cupertino, CA June 2013 – Present
Member of Troop Youth Leadership Team

Eagle Scout with Silver Palm in Troop 407 from Cupertino with over 40 merit badges, from Fishing to Electronics. Inducted into the Order of the Arrow, the Boy Scout honor society.

PUBLICATIONS AND CONFERENCES

Deepwound: Automated Postoperative Wound Assessment and Surgical Site Surveillance through Convolutional Neural Networks

Surgical Infection Society Annual Meeting (2018)

- Oral presentation accepted for abstract at a special Top 10 Paper session. 1st Author.

Utilizing Smartphone Based Machine Learning in Medical Monitor Data Collection: Seven Segment Digit Recognition

Proceedings of the American Medical Informatics Association Annual Symposium (2017)

- Oral presentation accepted for full paper at the “Mobile Apps for Health” session. 1st Author.

HONORS AND RECOGNITIONS

WWDC Scholarship 2018, Apple Inc. June 2018

Recognized as a “Young Innovator to Watch” at CES, *Living in Digital Times* Jan. 2018

2nd Place for Mobile App Development at National Conference, *FBLA-PBL, Inc.* July 2017

WWDC Scholarship 2017, Apple Inc. June 2017

1st Place for Mobile App Development at State Conference, *California FBLA* Apr. 2017

Best Use of Redis and Healthcare Datasets, *HSHacks III* June 2017

Congressional App Challenge Overall Winner, *CA-17 Congressional District* Feb. 2017

Global Oncology & IBM Grand Prize, *Stanford Health++ Hackathon* Nov. 2016

WWDC Scholarship 2016, Apple Inc. June 2016

1st Place for Game Programming at State Conference, *California FBLA* Apr. 2016

SKILLS

Development: Apple SDK with Swift, HTML, CSS, Javascript, NodeJS, Git, Firebase, Java

Research: Python, OpenCV, Keras, Scikit Learn, Matplotlib, AWS EC2, AWS Lambda