Work Experience

December 2019 Department of Biomedical Informatics, Stony Brook University

to Present Ph.D. Student Researcher

Perform machine learning and computer vision research under Dr. Prateek Prasanna. Ongoing studies include radiomic and deep learning analysis to predict disease outcomes in COVID-19 and

cancer.

August 2020 to PathCheck Foundation, Massachusetts Institute of Technology

February 2021 Science Officer

Lead a multinational team of scientists, doctors, and engineers to develop digital systems for equitable COVID-19 vaccine distribution in the US and other countries (patent pending). Served on

the leadership committee for the Vaccines for All Conference hosted at MIT.

May 2015 to Convergent Sciences Institute in Cancer, University of Southern California

December 2018 Undergraduate and Master's Student Researcher

Conducted research on circulating tumor cells in colorectal and prostate cancer using wet lab and computational techniques as a member of the Kuhn Lab. Member of the inaugural class of the Bridge Undergraduate Scientist Program. Assisted in organizing undergraduate researchers and

volunteers.

December 2014 Global Medical Missions Alliance

to May 2018 Vice President

Organized conferences, volunteering events, and medical missions to underserviced communities. Served on medical missions to Siloé Clinic in La Misión, Mexico and coordinated campus visits by

healthcare professionals from a variety of fields.

Skills Data Science: Python, MATLAB, Java, machine-learning, descriptive and inferential statistics

Leadership: Experience leading interdisciplinary teams, managing multiple simultaneous projects,

and presenting to scientific and public audiences

Writing: Scientific publications, conference proceedings, blog posts

<u>Applications</u>: Microsoft Office (Excel, Word, PowerPoint, Publisher, etc.), Sony Vegas <u>Wet Lab</u>: Basic wet-lab techniques including PCR, cell culture, immunofluorescence, etc.

Awards Facebook COVID-19 Symptom Data Challenge Finalist

Stanford Biodesign Hackathon 2020 - Best COVID-19 Project Award

USC Trustee, University, Asian Pacific American Scholarships

Rose Hills Foundation, USC Provost, Dornsife Scholar, Discovery Scholar Research Fellowships

Phi Beta Kappa Member National Merit Scholar

Education 2nd year Medical Scientist Training Program (M.D./Ph.D.) student at Stony Brook University

USC M.S. Medical Biophysics & B.S. Biophysics 2018

Warren Bennis Scholar, Resident Honors Program, Thematic Option, Physics Honors Program

Undergraduate/Graduate GPA - 3.82/3.83

MCAT - 523 (99.9th percentile)