

Stanford CARE Summer Research Internship

Data Science, Vulnerable Populations, and AI



Overview

The Stanford Center for Asian Health Research and Education (Stanford CARE) is offering an intensive 8-week summer internship in Data Science, Vulnerable Populations and AI, with a focus in Asian Health.

This exceptional program leverages the unique aspects of Stanford's world-class research, technology and medical infrastructure, to train learners to become superb population science researchers. By the end of the program, learners will utilize tools to conduct large database analysis, understand core concepts in AI-related health care research, identify problems/solutions in vulnerable populations, and effectively engage with technologists, entrepreneurs, non-profits and population science researchers. Throughout the summer, learners will participate in ongoing seminars on Asian Health, medical technology, AI, medical research, vulnerable populations and global health, with Stanford faculty and visiting faculty. The course content is the equivalent of two undergraduate classes.

Details

After participating in a 1-week intensive boot camp, learners will form teams, and select from mentored research projects with leading Stanford CARE faculty. Students will have the opportunity for one-on-one mentorship with their chosen faculty. The program is designed to have flexible hours, giving students the chance to be in control of their project. Students will be writing, doing the data analysis of, and editing their papers independently with once-a-week mentor guidance. Students are able to travel during the internship through prior arrangement with their mentor and TA.

In addition, students will receive training on literature review, interpreting scientific papers, use of Stanford resources, and presentational training. There may be possibilities for additional research/intern opportunities with Stanford Faculty.

At the end of the internship, learners will present their work at a CARE faculty conference, and then work on publishing their results in academic journals over the next several months. The conference will be attended by Startups, Faculty, International Visitors and CARE Partners. Throughout the summer, learners will participate in ongoing seminars on Asian Health, medical technology, AI, medical research, vulnerable populations and global health, with Stanford faculty and visiting faculty. The course content is the equivalent of two undergraduate classes.

Application deadlines

US students	January 20 th , 2020
International students	December 30 th , 2019 (allowing for visa processing)

Application criteria

Highly motivated undergraduate students, post-baccalaureates, and master's students who are interested in careers in medicine, data science, artificial intelligence or Asian Health are invited to apply. International students encouraged to apply, and we will need additional time for international student visa processing.

- Must be 18 years or older
- Highly motivated, enthusiastic, self-starters
- Demonstrated prior success in areas of interest
- Excellent English language proficiency and writing skills (necessary for presentations and papers)
- Completed application, statement of interest, and one professional reference
- Prior research and programming experience is encouraged but not required

The CARE Summer Research Internship is a non-residential program located at Stanford in Palo Alto, California, and students are expected to be on site. As this is a non-residential program, students will need to arrange their own housing. Tuition \$5,900 but need-based scholarships may be available.

Fees

Application Fee	\$100
Internship Fee	\$5900
International Visa Application/Processing Fee	\$250
Room and Board	(arranged by students)

Timeline

December 30, 2019	International Student Deadline
January 6, 2020	United States Student Deadline
February 28, 2020	Stanford CARE Internship final student selection announced
June 19th, 2020	- Stanford CARE Internship begins
June 22 nd - June 26 th , 2020	- Research boot camp training, including HIPAA and CITI training. - Research project selection: Interns will be placed in research teams of 4, supervised daily by teaching assistants (TA).
June 29 th – Aug 13 th , 2020	-Weekly Lectures and Meetings with Research Mentor on Stanford Faculty. - *Students are able to travel during the summer through prior arrangement with their mentor and TA.
August 14 th , 2020	- CARE Research Symposium – internship teams will present their research project findings at Symposium with CARE faculty. Family and friends invited to participate.
August – November 2020	Participation in post-internship research paper writing, for submission to academic journal.

Location

Stanford Campus

1070 Arastradero Rd
Palo Alto, CA. 94304

Stanford Faculty

Sanjay Basu	(mentorship and lectures)
Ann Hsing	(lectures)
Joo Ha Hwang	(lectures)
Bryant Lin	(mentorship and lectures)
S.V. Mahadevan	(lectures)
Latha Palaniappan	(mentorship and lectures)
David Rehkopp	(mentorship and lectures)
Malathi Srinivasan	(program director, mentorship, lectures)
Randy Stafford	(lectures)

Prerequisites

Some course or practical experience with research, programming or statistics recommended. Experience in completing a substantial research or engineering project recommended.

Information: care.stanford.edu

Direct Application Link: <https://care.slideroom.com/#/login/program/51712>