

# Jagveer Singh

www.linkedin.com/in/jagveersingh | (209) 624-9317 | jzingsh@ucdavis.edu

## Overview

Second year Computer Science Major and Biological Sciences Minor at UC Davis. Aspiring physician with goals to use data driven and AI solutions to address the biggest challenges facing the healthcare system. Experienced with both clinical and research settings, as well as back end software development and database management.

## Education

**UNIVERSITY OF CALIFORNIA, DAVIS** *CURRENTLY ENROLLED W/ HONORS*

- MAJOR: Computer Science
- MINOR: Biological Sciences

**EAST UNION HIGH SCHOOL** *AUG 2012 – MAY 2016*

- Final GPA: 4.55

**SAN JOAQUIN DELTA COLLEGE** *JUN 2014 – MAY 2016*

- Final GPA: 4.00

## Work and Volunteer Experience

**UNDERGRADUATE RESEARCHER | TAN LAB | APR 2018 – CURRENT**

- Developing machine learning models to predict superstructure characteristics based on peptide bond properties
- Planning to research possible applications of peptide superstructures in biomaterials

**SOFTWARE ENGINEER | FRUITFULL HEALTH | MAR 2018 – CURRENT**

- Fruitful Health is a mobile-web application that helps patients achieve their health goals by improving communication and incentivization using gamification and behavioral economics on an all in one easy to use platform.
- Currently working as a backend software developer

**COMMITTEE HEAD | WILLOW CLINIC | JUN 2017 – CURRENT**

- Work closely with medical students and physicians at the UCDMC treating homeless patients in Sacramento
- Developing a new website and online portal for members and patients, available at [www.willowclinic.org](http://www.willowclinic.org)

**CLINICAL RESEARCH ASSISTANT | SUTTER HEALTH | JUN 2017 – CURRENT**

- Assisted in a study to monitor patient sleep patterns and analyze their impact on cognition and outcomes
- Working with the stroke manager to improve door to TPA time for ischemic stroke patients

**SYSTEMS MANAGER | CITY OF MANTECA | JUN 2016 – CURRENT**

- Managed computer systems and databases for the Manteca Convention and Visitors Bureau
- Developed the Manteca Visitors Center website, available at [www.visitmanteca.net](http://www.visitmanteca.net)

**LABORATORY ASSISTANT | HUNTER LAB | SEP 2016 – JUN 2017**

- Conducted PCRs, Gel Electrophoreses, and DNA Isolations to study the effects of gene mutations on DNA recombination
- Analyzed data and developed presentations to present the findings of different studies

**VOLUNTEER | DOCTORS HOSPITAL MANTECA | AUG 2012 – JUN 2016**

- Volunteered over 400 hours
- Assisted with day to day activities including paperwork, directing visitors, and medical procedures

**FOUNDER/ PRESIDENT | TECHNATIC 360 | SEP 2013 – JUN 2016**

- Helped start and expand the Technatic 360 club at East Union High School
- Taught students computer programming and organized tech projects & competitions

**INTERN | STANFORD MEDICAL CENTER | SUMMER 2015**

- Worked alongside physicians and medical staff in Coronary Care
- Conducted research on the potential impacts of artificial organs on patients of low SES backgrounds

## Skills & Abilities

- Leadership, Organization & Team Work
- Patient and Customer Service
- Computer Technology
- Laboratory Research  
(PCR, Gel, DNA Isolation)
- Development Experience  
(Android Development, Web Development, Visual Studio)
- Programming Languages  
(C/C++, Java, Python, JavaScript, HTML/CSS, XML, SQL)

## Awards:

- Joseph Bonnheim Memorial Award (2018)
- James and Leta Fulmor Award (2017)
- Golden Key Society Award (2017)
- UC Davis Dean's List (2016-2018)
- East Union High School Valedictorian (2016)
- UC Davis Alumni Association Award (2016)
- Summa Cum Laude (2012 - 2016)
- National AP Scholar w/ Distinction (2015, 2016)
- Science Olympiad County Level Awards (2015, 2016)
- Key Club Student Award (2015)
- National Society of High School Scholars (2014)

## References:

- Doctors Hospital Supervisor: Ana Delacerda  
(209) 234-8112
- Technatic 360 Advisor: Eduardo Herrera  
eherrera@musd.net
- Stanford Internship Supervisor: Dale Lemmerick  
dalel@stanford.edu
- City of Manteca MCVB: Virginia Camacho  
info@visitmanteca.net