

Clara Frausto

SOFTWARE ENGINEER

SKILLS

JavaScript
Node.js
Express.js
React.js
Git
Python
C#


PERSONAL DETAILS

Location

Santa Barbara, CA 93111

CONTACT

 ClaraFrausto@gmail.com

 [951-691-6362](tel:951-691-6362)

 [clara-ra.github.io](https://github.com/clara-ra)

 [linkedin.com/in/clara-frausto](https://www.linkedin.com/in/clara-frausto)

 github.com/Clara-ra

EDUCATION

Bachelor's of Science in Computer Engineering

UNIVERSITY OF CALIFORNIA SANTA BARBARA

WORK EXPERIENCE

Software Developer in Test

KARL STORZ IMAGING

June 2018 – June 2022

- Designed, wrote and automated test procedures using C# for the purpose of software verification
- Developed a test harness using C# and MATLAB to aid testers in validating software at a more efficient rate
- Created a new workflow process to address quality and velocity concerns for a complex project dealing with code instability
- Reduced software feedback loop time of complex international project by 33 percent
- Collaborated with Software Architects to create and update software requirements
- Coordinated test efforts and software development across various technical groups to ensure medical device quality standards and regulations are met
- Managed the equipment inventory for three technical departments

Library Service Desk Assistant

UNIVERSITY OF CALIFORNIA SANTA BARBARA

September 2016 – June 2018

- Assisted library Patrons with the checkout of books and general questions

ADDITIONAL EXPERIENCE

Plant Monitor

PROJECT

March 2022-July 2022

- Developed a full stack web application using the MERN stack that keeps track of and presents the humidity, temperature, light, and moisture of selected plants
- Developed a python client to handle the data collection from sensors connected to a Raspberry Pi
- Deployed the server to Heroku and the hosted the database using MongoDB Atlas

Authentikey

IN COLLABORATION WITH NOVACOAST

September 2017 – March 2018

- Collaborated with a team of undergraduate students to create an API that analyzes keyboard biometrics to use as a form of static multi factor authentication
- Researched and Implemented features using machine learning and statistical analysis
- Analyzed various research papers to aid in the design of the algorithm
- Utilized DjangoREST to create a server API as well as Amazon AWS to store data
- Awarded third place in competition

Music-Activated LED Infinity Mirror

PROJECT

August 2016 – November 2017

- Created, designed, and implemented an embedded systems program that analyzes audio signals via Fourier analysis to estimate intensity and tempo of music
- Program utilizes audio input to create a light show

Webmaster

VOLUNTEERING

September 2015 – January 2016

- Developed a website for a college organization to enhance usability and implemented a more efficient and effective way to keep track of information