

Rahul Vaidun

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EDUCATION

University of California, Santa Cruz Santa Cruz, CA

Expected June 2023

B.S., Computer Science

GPA: 3.82

Relevant Coursework: Programming Abstractions Python, Calculus, Computer Systems and Assembly Language, Discrete Math, Computer Systems and C Programming, Vector Calculus, Computer Architecture, Introduction to Probability Theory, Data Structures and Algorithms

Mission San Jose High School Fremont, CA

August 2016 - June 2020

Relevant Coursework: AP Computer Science A, AP Biology, AP Chemistry, AP Statistics, Pre-Calculus, Calculus

SKILLS

Fluent: Java, Python, C, Javascript, NodeJS, ReactJS, VueJS, D3.JS, R, Typescript, Web Development, MIPS Assembly, SQL, MongoDB, Pandas, Express, Flask, Figma

Intermediate: C++, Latex

Exposure to: Swift, Objective C, PHP

WORK EXPERIENCE

SV Financials Fremont, CA

Feb 2020 - Present

Software Engineering Intern

- Built SV Financial Internal Website using Vanilla Javascript and HTML
- Automating rate quote for client scenarios and making it easily accessible to use through a REST API
- Built Rate Quote website for broker where backend was built with a **NodeJS** express web server and **Firestore**

SkyGeni Fremont, CA

June 2020 - September 2021

Full Stack Software Engineering Intern

- Delivered custom machine learning model for text tagging using **Python** Natural Language Toolkit (NLTK) and Stanford's Named Entity Recognition (NER)
- Developed a conversational AI that utilized NER tools to concisely respond to targeted sales questions from an end-client
- Built web application to enable interaction with AI using **React**, **Flask**, and **Redux**
- Wrote unit tests to stress-test conversational AI and identify potential pit-falls in encoding user questions
- Used **React Native** to create cross-functional mobile app to host AI service

Python for Kids Fremont, CA

March 2018 - August 2018

Lead Tutor

- Taught local middle-schoolers elementary python programming
- Designed course syllabus from scratch to teach python syntax, data types, data structures, and control flow

PROJECTS

Monopoly

- Developed Monopoly online game using custom Java objects, replay loops, and local data storage
- Tech Stack: Java and Flask

Vcalcs (<http://www.vcalcs.com/>)

- Founder of Vcalcs, a website which provides vector calculus calculators to students
- Built using Flask, Latex, and React with Typescript

ACTIVITIES & LEADERSHIP

Google Developer Student Club Santa Cruz, CA

June 2021 - Present

Director of Curriculum

- Ran all club related workshops by assigning tasks to each officer for workshops

Cruzhacks Santa Cruz, CA

July 2021 - Present

Full Stack Developer

- Used React with **Typescript** and Firebase **Cloud Functions** to build the Cruzhacks website
- Worked with Cruzhacks design team and closely followed design specifications prototyped in **Figma**