

VIVEK FERNANDEZ

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EDUCATION

- Bachelor of Science, Computer Science, University of California Los Angeles, Sept 2018 - Jun 2022. GPA: 3.79
- ACT- 35, SAT Subject: 800/800 (Physics, Chemistry, Math 2)

RELEVANT COURSEWORK

Intro to Computer Science: Data Structures, Intro to Computer Organization, Multivariable Calculus, Linear Algebra, Discrete Math, Operating Systems Principles, Software Construction Laboratory

TECHNICAL SKILLS AND CERTIFICATIONS

- Languages: C++, C, JavaScript, Python, Matlab, Bash, HTML, CSS
- Solidworks
- Oclavi/VGG, and other image annotators
- Amazon Web Services Certified Cloud Practitioner

WORK EXPERIENCE

ICURO

Data Analytics Intern

Santa Clara, CA

Jul. 2019 - Sep. 2019

- Conducted research on data annotation tools to be used for image recognition within warehouse products.
- Developed CAD models for prototypes of dumping mechanisms to be used in warehouses.
- Presented research at a class held by the company for 20 individuals looking to get involved in technology.

New Jersey Turnpike Authority

Data Analyst Intern

Woodbridge, NJ

Jul. 2018 - Aug. 2018

- Performed analysis and research of all reported revenue to ensure the accurate audit of a group of interchanges.
- Maintained and updated records in different time frames and prepared reports.
- Accounted for the work of missing employees to ensure records were up to date.

Mathnasium of Brunswick

Lead Math Tutor

North Brunswick, NJ

Jun. 2017 - Aug. 2018

- Tutored up to 4 students at a time about various topics ranging from 1st grade math to Pre-calculus.
- Supervised tutors to ensure quality and customers were satisfied.

PROJECTS

Dungeon Warrior

C++

May 2020

- Designed a game with arena of rooms and corridors, along with various different characters that attack the player as he moves.
- Implemented polymorphism among the different characters and items present in the game.

Chat Organizer

C++

June 2020

- Designed a method of keeping track of each chat a user is in, as well as the amount of user contributions in each chat and the number of total contributions in the chat.
- Implement complex data structures such as vectors and hash tables to hold and easily find the users and chats when requested.

American Society of Mechanical Engineers

Sep. 2019 - Jun. 2020

- FADE Member: Member of a program that teaches students about Solidworks, 3D printing, Machining, and electronics.
- Battlebots Member: Designed a battlebot in Solidworks and built it for competition.
- Created parts with 3D printers and integrated electronics within the robot.
- Served as team head and lead of design and CAD process.

Unmanned Aerial Systems Airframe Division

Sep. 2018 - Jun. 2019

- Structured and 3D printed an unmanned group vehicle that traverses over a terrain while carrying a payload using Solidworks.

LEADERSHIP

UCLA Naya Zamaana A Cappella Team

Music Director

UCLA

Sep. 2019 - Jun. 2021

- Arrange, teach, and finalize music to be performed at national competitions.

South Brunswick Library Tutoring Program

Tutor Supervisor

South Brunswick, NJ

Sep. 2017 - Jun. 2018

- Supervised tutors and handled any paperwork documenting work completed each shift.