

Kyle Alvarez

951-486-1815 • San Diego, CA • KyleAlv0724@gmail.com

CAREER OBJECTIVE

Self-start college student pursuing a BS in Human Biology and a minor in Computer Science at the University of California San Diego. Passionate in integrating my knowledge in both disciplines towards bioinformatics applications and assisting in developing pipelines for therapeutic and drug creations.

EDUCATION

University of California San Diego | Bachelor of Science in Human Biology | Minor in Computer Science Expected June. 2023

- Korean American Student Association - *Executive Board Member*
- Emergency Medical Services @ UCSD - *Co-President 2021-2022*

RELEVANT COURSEWORK

- Java Programming
- C/C++ Programming
- R Programming
- Data Structures and Object Oriented Design
- Computer Organization & Systems Programming
- Python Programming

EXPERIENCE

Bioinformatics Intern

La Jolla Labs | San Diego, CA

Oct. 2022 - Present

- Utilize a DSL Nextflow in order to create scientific workflows for FASTA, FastQ files, and/or other text-based formats for storing biological sequences
- Utilize Python for exploratory data analysis of RNA-seq data to identify and interpret biological trends of accessibility to RNA
- Attend frequent weekly meetings with mentee reporting progress, personal updates, and engaged in conversation over research papers
- Troubleshoot and improve existing pipelines to ensure efficiency and efficacy

COVID Coordinator

Dec. 2020 - Jan. 2023

University of California San Diego | San Diego, CA

- Re-located 50+ close-contact and positive patients with COVID-19 to isolation housing monthly
- Furnished transport units with proper PPE for future transportations
- Reduced spread of virus by withholding patient contact with other students
- Worked along other students and created a working relationship to create smooth transportations

Lab Assistant

Altman Clinical and Translational Research Institute | San Diego, CA

Aug. 2021 - June 2022

- Oversaw the management of samples collected from 150+ clinical trials
- Responsible for the processing of specimen and the storage of more than 100+ samples monthly
- Maintained weekly upkeep of laboratory equipment and space with the inclusion of disinfection and sanitization
- Daily responsibility of the verification of samples into Mongoose LIMS

COVID Swabbing Nurse (EMT)

Nov. 2020 - June 2021

County of San Diego | San Diego, CA

- Worked amongst other healthcare personnel to contribute free COVID-19 testing for 200+ patients on a day-to-day basis
- Ensured public safety by upholding protocols of sanitation and cleanliness to prevent the spread of COVID-19
- Provided patients with concurrent information and references about COVID-19 to ensure public knowledge of correct and updated information

SKILLS / LICENSURE

- Self-starter and computer literate and able to navigate through existing tools and softwares
- Team-leader able to establish a communal bond between colleagues and co-workers
- EMT License
- Teaching Computational Thinking for Everyone Certification