

Manan Chopra

La Jolla, CA | (925) 621-9563 | m1chopra@ucsd.edu

PROFESSIONAL SUMMARY

Second year Bioinformatics major at UCSD looking forward to exciting opportunities to gain experience working in a laboratory setting doing research, especially those related to genetics and bioinformatics. Well-versed in leadership skills through past jobs (youth tennis coach, tutor) as well as laboratory skills.

EDUCATION

UC San Diego | La Jolla, CA

Sept. 2019 - June 2023

Major: Biology w/ Specialization in Bioinformatics (B.S.) | **GPA:** 3.58

Relevant coursework: Cell Bio, General Bio Lab, Genetics, Organic Chemistry I/II,
Data Structures/Algorithms, Linear Algebra/MATLAB, Calculus I/II/III

Dublin High School | Dublin, CA

Sept 2016 - June 2019

Advanced Scholars Diploma | **GPA:** 4.35 | **SAT:** 1520 | **ACT:** 35

- National Merit Finalist (top 1% nationwide)

LAB EXPERIENCE

Wahlin Lab | Undergraduate Research Assistant | La Jolla, California

June 2021 - Present

- Utilized Bioinformatics tools (Galaxy, R, Dianatools, etc) in order to perform data analysis on gene sequencing data, and generate useful figures to visualize important trends

BILD 4 | Introductory Biology Lab

Fall 2019

- Performed basic lab chores (PCR, pipetting, titrations, molarity calculations, stocking, measuring, etc)
- Collected and analyzed field samples from local coastal reserves
- Compiled research/data into a research presentation, and presented the material to a panel of judges

Biotechnology Course | Experiment Lead | Biotech Lab

September 2017 - June 2018

- Performed PCR in order to replicate DNA (including setup of agarose, and analysis of results)
- Kept detailed log of experiments performed
- Efficiently utilized lab equipment (pipettes, centrifuges, beakers, fume hoods) to perform tasks

RESEARCH EXPERIENCE

BISP 193 | Biology Education Research

June 2021 - Present

- Performing research regarding the educational methods used to instruct students in the field of Bioinformatics, and the effectiveness of such methods, under the supervision of Dr. Katherine Petrie
- Applying the technique of coding in order to gain insights from qualitative data
- Gathering data to be presented at the end of the research period (September 2021)

SKILLS

- PCR, titration, pipetting, molarity calculations
- Lab Safety procedures
- Data analysis in R and Python
- Microsoft Suite
- Communication in team settings
- Organization and attention to detail
- Learning on the job/Adaptability