Amarjot **Singh Maan**

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Profesional Summary

Dedicated University undergraduate skilled in computational biology as well as biological engineering. Highly motivated to expand experience in research and devlopment. A passionate student for his field of Bio-molecular Engineering who excels in rigorous course work.

Education

University of California Santa Cruz — *Santa Cruz, Ca*

September 2019 – June 2022 - Still in college

Working on - BS in Biomolecular Engineering

GPA: 3.50 - Cumulative ; 3.50- University

Work Experience

7-11 - Assistant Manager — *Simi Valley, Ca*

August 2014 – September 2019

- Managed employee schedules
- Managed orders and inventory
- Handled up to $15000
- Handled exchanges, returns and escalated customer complaints according to company policy

Skills

Lab Fluent

- Experience in a broad array of undergraduate lab courses ranging electromagnetism, general biology, stem cell biology, various chemistry courses, general thermodynamics, and classic mechanics
- Proficient with lab safety protocol
- Familiar with various forms of Bio-Instrumentation such as PCR, Next-Gen sequencing platforms, Nano-pore technology, Nanopipette, and Multiplexed Geno-typing

Computer Proficiency

- Proficient in programming in Python, LATEX, Gnuplot, and R
- Proficient with Microsoft office Applications such as Excel, Word, and PowerPoint; As well as experience in Adobe PRO DC
- Familiar with Linux operations for use for Bio-informatics applications such as Jellyfish, Musket, and De-Nevo Genome assembly processes

Relevant Course Work

- Bio-Instrumentation *Fall 2020*: Acquired knowledge of a wide array of Biotechnologies and process's such as nano-pore technology, Next-Gen sequencing platforms, nano-pipettes, and Multiplexed Geno-typing. Learned about the pipeline of how a process will go from research to becoming a marketable product
- Research Programming *Spring 2020*: Independently programed and built bio-informatics operations to search and sequence genes
- Applied Analog Electronics *Winter & Spring 2021*: Learned the basics of analog circuitry and signal analysis.
- Technical Writing for biomolecular Engineers *Fall 2020*: Practiced formal scientific writing for various genres including lab reports and technical reports.
- Genomes *Spring 2020*: Studied genome assembly, gene sequencing techniques, basics of computational biology, and genome analysis
- Computational Biology Tools *Winter 2021*: Performing computational biology operations ranging from genome browsers, sequence database searching, motif analysis, multiple sequence alignment, gene finders, phylogenetics analysis, protein structure visualization, and others

Rewards

- Winner of Benjamin A. Gilman International Study Scholarship *Fall 2020*