



# CHRISTAL IEONG

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## Summary

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Motivated molecular and cell biology graduate holding a B.S. degree from UC San Diego, where I honed my skills through immersive laboratory experiences. My academic journey has equipped me with a robust understanding of molecular and cell biology concepts, complemented by hands-on engagement in diverse laboratory projects. Proficient in executing various molecular techniques and driven by a passion for scientific discovery, I have consistently demonstrated adaptability and a keen eye for detail. I am eager to leverage my academic background and practical skills to contribute meaningfully to a dynamic research environment, where innovation and collaboration intersect to advance the frontiers of molecular and cell biology.

## Experience

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UCSD

### Laboratory Operations

09/2021 - 12/2023

- Conducted experiments related to CRISPR-Cas9, LDH protein isolation, DNA plasmid isolation, antibodies, and mutations in yeasts and bacteria.
- Utilized techniques such as CRISPR-Cas9, Homology-Directed Repair, PCR, Western blotting, ELISA, gel electrophoresis, cell culture, blotting, chromatography, spectroscopy, dilutions, Bradford protein assay, crystallization, analysis of codon sequences.
- Developed new methods for analyzing data and improving efficiency in the lab setting.
- Prepared reports summarizing findings from various studies conducted in the lab.
- Maintained accurate records of laboratory experiments and results.

Pasadena City College | Pasadena, CA

### Laboratory Operations

09/2018 - 12/2020

- Assisted scientists in conducting experiments and collecting data samples.
- Conducted experiments related to microscopy, cell culture, DNA extraction, PCR, photosynthesis and respiration experiments, and statistical analysis.
- Worked with common laboratory instruments such as spectrophotometers, chromatographs, and balances.

## Education and Training

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UC San Diego | 9500 Gilman Dr, La Jolla, CA 92093

### Bachelor of Science in Molecular And Cell Biology

12/2023

## Accomplishments

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- Honor student achieving an average of 'A' in honors classes.
- Received the J.C. England Service and Civic Engagement Award and Scholarship in 2018.

- Awarded in 2018 as the best student in the Language (Spanish) and Social Studies (U.S. History and American Government) departments.
- Over 300 hours of community service

**Relevant Coursework** 

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- Recombinant DNA Techniques (Lab)
- Biochemical Techniques (Lab)
- Organic Chemistry (Lab)
- Molecular and Cell Biology (Lab)
- Microbiology
- Structural and Metabolic Biochemistry
- Genetics

**Languages** 

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<b>English:</b> <div><div></div><div></div><div></div><div></div><div></div></div> Native/ Bilingual	<b>Indonesian:</b> <div><div></div><div></div><div></div><div></div><div></div></div> Native/ Bilingual
<b>Javanese:</b> <div><div></div><div></div><div></div><div></div><div></div></div> Professional	<b>Chinese (Mandarin):</b> <div><div></div><div></div><div></div><div></div><div></div></div> Limited
<b>Spanish:</b> <div><div></div><div></div><div></div><div></div><div></div></div> Limited	

**References** 

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References available upon request.