





# Eric Lam

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<b>EDUCATION</b>	High School Diploma, 3.5 GPA Punahou School '17 Honolulu, Hawaii
	Biochemistry (BA), 3.3 GPA Minor: Computer Science University of Hawaii at Manoa (Spring 2021) Honolulu, Hawaii
<b>RELEVANT COURSEWORK</b>	<b>Computer Science:</b> Discrete Math, Software Engineering, Program Structure, Algorithms, Accelerated Calculus 2 <b>Biochemistry:</b> Principles of Biochemistry, Bioorganic Chemistry, Organic Chemistry, Analytical Chemistry
<b>EXPERIENCE</b>	<b>Undergraduate Research Assistant</b> Fall 2017- Current Allsopp Lab, Institute of Biogenesis Research at John A. Burns School of Medicine <ul style="list-style-type: none"><li>The Allsopp lab does research into healthy aging, centered around an enzyme that extends the telomeres of one's DNA which prevents detrimental DNA damage.</li><li>Trained in basic and quantitative PCR reactions, DNA and RNA extraction, generic protein and telomerase specific (TRAP) assays, basic tissue culture techniques.</li></ul> <p>Current Projects:</p> <ul style="list-style-type: none"><li>Conducting primary data analysis of genotype, cytokine levels, gene expression, and protein activity of Okinawan blood samples.</li><li>Implementing a machine learning algorithm in Python to relate biological inflammatory markers with aging.</li></ul>
<b>EVENTS</b>	<b>Year-In-Japan Program</b> Jan 2020- May 2020 Hosted by Konan University in Kobe, Japan, this is a language intensive program where students from around the world develop their Japanese language skills and expand their knowledge of Japan through intensive classes and a homestay experience. I experienced different cultural perspectives firsthand, especially because of COVID-19.
	<b>HackTheWave Hackathon</b> September 20-22, 2019 HackTheWave was an event designed to bring critical thinkers together to solve problems related to amyotrophic lateral sclerosis (ALS). I worked with a team to implement a machine learning algorithm to find relationships between ALS progression and clinical lab results.
<b>COMMUNITY SERVICE</b>	<b>Volunteer for Magic Island Relay for Life Committee</b> Spring 2018 The Magic Island Relay for Life is a fundraising event held by the American Cancer Society to fund cancer research and public policy. I worked with a team to organize the silent auction, which raised over \$10,000 dollars in funding.
<b>SKILLS</b>	<b>Computer Languages:</b> Python (Numpy, Matplotlib), Java, Javascript (Meteor) <b>Safety Certifications:</b> Biosafety, Bloodborne Pathogens, Radiation