



## Lambert T.L.K. Leong

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<b>SUMMARY</b>	Currently working towards my PhD in bio-engineering while conducting cancer imaging research with the Shepherd Research Lab (SRL). I am motivated by data driven research as well as the use and implementation of informatics techniques for the purposes of bio/biomedical research automation, optimization, and acceleration. I enjoy developing software and hope to work in an environment that allows me to continue to utilize both my backgrounds in biology and computer science.	
<b>EDUCATION</b>	<i>Masters of Science, Computer Science, 3.85 GPA</i> University of Hawaii at Manoa, Honolulu, HI Thesis Committee: Henri Casanova (chair), Lee Altenberg, Philip Johnson	2018
	<i>Bachelor of Science, Major: Biology, Minor: Chemistry</i> University of Oregon, Eugene, OR	2014
<b>SKILL SET TOOLS</b>	<b>Primary Languages:</b> Python, Java, SQL, C/C++, Matlab, shell/bash <b>Concepts:</b> High Performance Computing, Machine Learning, Data Science <b>Tools:</b> Linux/Unix, Windows, Microsoft Office, Adobe Creative Cloud	
<b>EXPERIENCE</b>	<i>Graduate Research Assistant</i> University of Hawaii Cancer Center <ul style="list-style-type: none"><li>• Novel image biomarker research</li><li>• Software development</li></ul>	Current
	Thesis Work “Heuristics for Optimizing the Physical Layout and Network Topology of Integrated 3D Multi-chip Systems Under Temperature Constraints” <ul style="list-style-type: none"><li>• Software development to build a simulation framework</li><li>• Optimization with Message Passing Interface(MPI) and OpenMP</li><li>• Heuristic and algorithm design</li></ul>	2018
	<i>Researcher</i> Eyegenix LLC, Honolulu, HI <ul style="list-style-type: none"><li>• Bio-synthetic cornea R&amp;D and manufacturing</li><li>• Bio-compatibility and quality testing</li></ul>	2018
	<i>Graduate Research Assistant</i> Social Science Research Institute, University of Hawaii, Manoa <ul style="list-style-type: none"><li>• Database construction/management</li></ul>	Summer 2017
	<i>Computational Chemistry Substitute Instructor</i> Computational Thinkers, Honolulu, HI <ul style="list-style-type: none"><li>• Prepared and executed educational demos</li></ul>	2015

*Pathology Student Trainee*  
Queen's Medical Center, Honolulu HI

Summer 2011 & 2012

- Genomic analyzer validation
- p40 Immunohistochemistry specificity & K-Ras mutation study

**PUBLICATION** Analysis of KRAS and BRAF mutant colorectal cancers in a multiracial population. American Society of Clinical Oncology, Chicago, IL, June 2012. Abstract [#1599](#).

**REFERENCES** Priscilla Carbajal  
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