

EDUCATION

- Ph.D.** — Molecular Bioscience and Bioengineering, University of Hawaii at Manoa, Honolulu, Hawaii, USA, **present**
Advisor: Prof. John Shepherd
- M.S.** — Compute Science, University of Hawaii at Manoa, Honolulu, Hawaii, USA, **2018**
Thesis: *A Heuristic for Optimizing the Physical Layout and Network Topology of Integrated 3D Multi-chip Systems Under Temperature Constraints*
Advisor: Prof. Henri Casanova
- B.S.** — Biology, University of Oregon, Eugene, Oregon, USA, **2014**
Minor: Chemistry

EXPERIENCE

- 06/20 - 08/20:** NASA intern, Johnson Space Center, 2101 E NASA Pkwy, Houston, Texas
- 11/18 - present:** Graduate Researcher, Shepherd Research Lab, University of Hawaii Cancer Center, Honolulu, Hawaii
- 8/15 - 11/18:** Researcher, Eyegenix LLC, Honolulu, Hawaii
- 6/17 - 8/17:** Database Engineer, Social Science Research Institute, University of Hawaii at Manoa, Honolulu, Hawaii
- 6/12 - 9/12:** Pathology Student Trainee, Queen's Medical Center, Honolulu, Hawaii
- 6/11 - 9/11:** Pathology Student Trainee, Queen's Medical Center, Honolulu, Hawaii

PUBLICATIONS

Refereed Conference and Workshop Proceedings

3. *Three compartment breast machine learning model for improving computer-aided detection*, L. Leong, M. Giger, K. Drukker, K. Kerlikowske, B. Joe, H. Greenwood, S. Markove, B. Niell, J. Shepherd, in Proc. of the International Workshop on Breast Imaging, Leuven, Belgium, May. 2020.
2. *Digit Recognition from Wrist Movements and Security Concerns with Smart Wrist Wearable Devices*, L. Leong, S. Wiere, in Proc. of the Hawaii International Conference on Science Systems (HICSS), Maui, Hawaii, Jan. 2020.
1. *Sparse 3-D NoCs with Inductive Coupling*, M. Koibuchi, L. Leong, T. Totoki, H. Matsutani, H. Amana, H. Casanova, in Proc. of the Design Automation Conference (DAC), Las Vegas, Nevada, Jun. 2019.

Conference Abstracts

2. *Accurate Local Estimation of Compressed Breast Thickness in Digital Breast Tomosynthesis Using an Iterative Reconstruction Approach*, L. Leong, T. Wolfgruber, S. Spencer, S. Muller, J. Shepherd, Radiological Society of North America (RSNA), Chicago, Illinois, **oral**, Dec. 2019.
1. *Analysis of KRAS and BRAF Mutant Colorectal Cancers in a Multiracial Population.*, J. Acoba, C. Lum, L. Leong, American Society of Clinical Oncology (ASCO), **poster**, Apr. 2012.

White Papers

1. *Snapshot Samplings of the Bitcoin Transaction Network and Analysis of Cryptocurrency Growth*, L. Leong, <https://arxiv.org/abs/2003.06068>, Mar. 2020.

HONORS and AWARDS

- o Trainee Travel Grant, University of Hawaii Cancer Center, 2020.
- o Trainee Travel Grant, University of Hawaii Cancer Center, 2019.

VOLUNTEER

- o Event Volunteer, Queen's Medical Center, Honolulu, HI
- o AREo program coordinator, Honolulu, HI , <http://aerohawaii.org/>
- o Substitute Instructor, Computational Thinkers, Honolulu, HI, <https://www.computationalthinkers.org/>
- o Volunteer, Pathology Department, Queen's Medical Center, Honolulu, HI