

Lambert T.L.K. Leong
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To whom it may concern,

I am currently a PhD student at the University of Hawaii, Manoa. My research consist of using machine learning, deep learning, and artificial intelligence to analyse mammographic images for breast cancer detection and risk analysis. Recently, I received a Master's of Science in computer science where I focused on concurrency and simulation. For my thesis, I developed a novel simulation model to geometrically optimize 3D multi-microprocessor chip layouts. During my thesis work, I became well versed in optimization algorithms and heuristics, software development, and test automation. The need for simulations to run faster and in a tractible amount of time has also helped me to become experienced in high performance computing and parallel programming. I am experienced in object oriented programing and my primary languages include Python, C/C++, and Java.

I received my Bachelor's degree in biology from the University of Oregon and, with that background, I worked for three years at a biotech company performing research and engineering/manufacturing of a biosynthetic cornea. In addition to honing my wet lab skills, I constructed a database, wrote SQL to aggregate data, and performed analysis to facilitate the research and development of our products. My experience in the biotech industry demonstrates my ability to work as a cohesive research unit, strong written and verbal skills, and my ability to be a self starter and work, independently, without the need for constant supervision.

I am motivated by data driven research and how computers and information/computational systems can afford power and speed to other areas of research as well as other industries. While my background may be unique, I believe I am qualified for the position and possess the necessary skills. With this internship I am seeking to gain experience working in the tech industry where I can learn from distinguished mentors and apply my knowledge of computer science. I know that the experience I will gain from this position is extremely valuable and I will not hesitate to relocate. More information about me and relevant projects can be found at www.lambertleong.com. Feel free to contact me by phone at (808)429-2576 or via email at lamberttleong@gmail.com. I look forward to hearing from you.

Sincerely,

Lambert Leong