

Dear Hiring Manager,

I recently viewed your position opening for an Ocean Engineer. My interest in your company grew as I read about your dedication to sustainable, renewable energy solutions and the economic factors that determine the viability of these renewable energy sources (such as OTEC and SWAC). To me, sustainable and renewable energy is one of the most important research thrusts, and something I am very passionate about.

My background and training as a mechanical engineer covers a wide-range of phenomena in condensed matter physics, including turbulent fluid flow and thermal engineering, both of which are crucial to the engineering challenges that Makai faces. My MS thesis work focused on the clustering of particles in free-surface turbulence. During this time I developed an appreciation for the complexity and importance of the earth's oceanic system, which Makai seems to share.

I am also interested in Makai's software solutions, in particular the Voyager package. My PhD work gave me an extensive programming background with experience using most major languages and programming styles, as well as experience in high-performance parallel computing. I believe my programming skill set could be an asset to Makai's software solutions.

I have extensive experience initiating and coordinating collaborations with other researchers, particularly on a global scale. Additionally, I have a long record of diverse publications, and have demonstrated an ability to learn quickly about new research and physics, and have made contributions in several fields.

I have attached my resume with links to my website where you can find further, in-depth information about my research and background. I am a U.S. Citizen and I look forward to hearing from you and the opportunity to further discuss this opportunity.

Thank you,
Jason Larkin