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I grew up in Northern California, approximately thirty minutes away from the coast. The ocean and the respective beaches have always been a special and necessary ingredient in my life. After moving to Santa Cruz 5 years ago my interest in the surface dynamics and processes of the ocean was fortified. Consequently, my now solidified background and general understanding of oceanic and atmospheric patterns are why I have a strong desire in being a member of the SCCOOS team.

As an undergraduate at UCSC I found myself to be most interested in physical oceanography, specifically the dynamics and mechanisms of the oceanic-atmospheric system, storm generation, wave propagation, and their consequential effects on society. Within this context lies emphasis on the generation and propagation of coastally trapped waves, coastal and equatorial Kelvin waves, Rossby waves, and gravity waves. Tangentially, I am also interested in forecasting, climate change, physical and chemical properties of seawater, ocean acidification, and coastal degradation. During the end of my studies at UCSC I also became familiar with biological oceanography. This interest encompasses primary productivity, harmful algal blooms, and Iron fertilization. More recently, I have begun to strengthen my interest in and understanding of large-scale atmospheric events such as the El Niño Southern Oscillation and Madden Julian Oscillation, and to be able to recognize their profound and dynamic effects on the ocean.

Nothing excites me more than being able to actively observe and understand oceanic processes. I enjoy being part of the group of people who actually understand what is occurring, why it is occurring, and when it is occurring. The sheer power and mystery of the ocean is unlimited, and the possibility of new findings and there always being a more unique or substantial process in the future is humbling and keeps my interest at rise.

The SCCOOS intrigues me. Employment with SCCOOS would allow me to enhance my ability to observe oceanic and atmospheric nuances and forecast them in the future. Additionally, I will be able to put these observations to use in informing the general public and governmental agencies of active processes. I am very familiar with most of the tools and methods SCCOOS uses to make these observations, and I am able to read and interpret data from buoys, oceanic models, satellites, and other measurement devices.

Ocean science is my passion and is incredibly exciting to me due to its exponential growth in the last few decades. This growth and knowledge of the ocean and its processes has been accompanied by increasingly advanced technology, therefore enabling scientists more accurate data and measurements. It would be an absolute honor to work for SCCOOS, and be part of the team people look towards for knowledge and education of current oceanic processes and events. I expect SCCOOS to be a fun, fast paced, challenging, and rewarding work environment. I also believe that it will transform my capabilities and increase my understanding of oceanographic and meteorological processes.

As an employee I have impeccable time management skills and the ability to learn new concepts and ideas very quickly. I am able to then take these new concepts and ideas and replicate them, enhance them, and make them my own. I have an incredibly solid oceanographic background and obtain great understanding of all the subject interests mentioned above. I am confident I can bring great knowledge and new ideas and methods to your company. I am also very organized and have extensive customer service skills. Most importantly, I'm very motivated, a hard worker, and willing to apply myself to any task assigned to me. I sincerely hope to be considered to be part of the SCCOOS team.