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Institute of Fluid Mechanics
Hermann-Blenk-Str. 37
Braunschweig, Lower Saxony 38108

Dear Mr. Kumar Pradeep,

I am a 2nd-year mechanical engineering major with a minor in physics at the University of New Hampshire (UNH). I am writing to apply to participating in wind tunnel experiments for noise reduction through the DAAD given my interest in fluid mechanics and wind tunnel experiments. To that end, I feel it crucial to highlight relevant experience and skills I have acquired that would qualify me to be part of your research group.

I have nearly 3 years of experience leading organizations, with my current one being an aerospace engineering organization. As co-founder and Chief Technical Officer of UNH Students for the Exploration and Development of Space (SEDS), I have developed a skill set that allows me to understand my organization members' personalities and commitments to better manage the team. Teamwork is a skill that can only be learned in practice, and having experience in engineering projects has helped me be a better communicator and team player. As head of propulsion at UNH SEDS, I gained experience in running design meetings and detailing expectations for each member in my group. In my research position this past summer at the University of New Hampshire, I was able to gain experience in data analysis using Python and the experience has given me a better understanding of the process of research and working under deadlines. Working outside of my academic pursuits is also crucial to my experience and skill set. I fill most of my free time with projects including the building of an electric longboard and a rebuild of a broken moped I bought for \$10.00, to name a few.

I plan on continuing my work with UNH SEDS through the spring semester and aim to keep developing a skill set that can be directly incorporated to my work with you. We will be using our universities' wind tunnel in December 2017 to obtain experimental data for aerodynamic drag on our model. We are also in the process of creating flow simulations to obtain theoretical data. This will provide background experience in what I would be participating in. All the curiosity and imagination I apply to my daily life is to continue my learning to one day become a part of a team greater than myself. Work culture is extremely important to productivity and I think my personality would fit perfectly in my position if given the opportunity.

Thank you for your time and consideration.

Sincerely,

Charlie Nitschelm