Dear Deeplocal Hiring Team,

I am a sophomore Mechanical Engineering major at Carnegie Mellon University writing to apply for the Summer 2018 Engineering Internship position. I am impressed with the innovative projects going on at Deeplocal and would love to contribute to your work. I am confident that my skills in CAD, machining, innovative problem solving, and programming would be of use on Deeplocal’s projects and I hope that you will consider me for the position.

I understand that a lot of your work stems from being given abstract challenges and finding creative ways to solve them, a scenario I often encountered during my time in FIRST Robotics. I served many different roles during my 3 years in the program, each of which taught me different skills. Before FIRST, I knew nothing but during my first year I pushed myself and came in during extra hours to learn. I became one of the students responsible for maintaining the robot in the stressful environment of competition, an experience which taught me how to mitigate the chance of failures and how to be ready when one occured. After teaching myself Solidworks over the next summer, I was made a design lead where I guided a small team of students through the prototyping process. We used Solidworks to design a pneumatic claw for our robot and then manufactured the parts to ensure our subassembly was completed in time. During my final year on the team I was elected president, a role which further honed my skills as I not only worked to prototype and design the main section of the robot but also managed the other design groups to ensure that all the subsystems were compatible with each other and proceeding along on schedule.

As a Deeplocal intern I would apply my skills to rapidly generate prototypes as well as work to develop unique solutions to address the challenge at hand. Additionally, I could generate any models you might desire as well as prepare parts for manufacturing as I am a certified Solidworks Associate with 5 years of CAD experience.

While I have not had any official ad experience, during my time working at Rev Robotics I created a number of promotional items. One that I am particularly proud of is a miniaturized remote control Wall-E robot using their build system which demonstrated its capabilities outside of normal use. I headed this project and completed the design, manufacturing, and programming independently over the course of a week. This project further increased my skills in CAD as the entire model was completed prior to any manufacturing work, due to the fact that the model had such tight tolerances and needed to be planned out perfectly.

Deeplocal stands as a key innovator which operates in a distinct market to bring intriguing concepts to life. I hope to be a part of this amazing team and work to generate unique and engaging experiences to seemingly everyday products and brands. If you have any questions, feel free to contact me by phone at (817) 938-0718 or at mmong@andrew.cmu.edu. Thank you for your consideration.

Respectfully,

Michael Mong