Hello,

I am Charles Dunn, an algorithm engineer at MIT Lincoln Laboratory. I graduated from Stanford nearly 3 years ago, and I am eager to continue discovering and exploiting patterns to solve our country’s problems. At a biomedical lab at Columbia, I hope to find intriguing problems with undiscovered, but provable, solutions. I believe my experience and knowledge would make me able to contribute while still continuing to develop as an engineer.

I have practical experience with machine learning from working on classification and mitigation algorithms for airborne radar systems since I started at Lincoln Laboratory, and I have a very good theoretical background in signal processing and information theory. I recently received an honorable mention for a creative algorithm to decode encrypted text for an assignment in a graduate MIT class; I derived great pleasure from considering the problem, thinking about it in a novel way from my classmates, effectively implementing many ideas, and extensively testing the good ones. The project proved to me that I am capable of greater contributions and more enjoyment in my career.

It is my hope that biomedical image processing and data analysis can provide me with challenges and room for growth, and that I can in turn provide the scientific community with ideas and solutions to improve their research. I look forward to learning more about a job opportunity.

-charles