Pranav Rajiv
437 N Francis St, Apt 334B
+1 312-478-1133
pranavrajiv123@gmail.com

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Dear sir/mam,

I am an international student from India currently a senior at the University of Wisconsin Madison expecting to graduate in May 2018. I transferred to UW Madison as a junior from the University of Illinois at Chicago. I have always been passionate about programming, which is why I started programming from my high school. I have taken CS courses like Program Design 2, Discrete Mathematics, Programming Practicum, Data Structures and Machine Organization, Into to Optimization, Compilers and Database Management Systems, Operating Systems, Software Engineering and more. Currently I am enrolled in Artificial Intelligence and Algorithms. I am familiar with programming languages like C, C#, C++, Python and Java. I am also good with scripting languages like PHP, MYSQL, CSS, Java Script and HTML.

Currently I am working as an Undergraduate Research Assistant at the Human Computer Interaction lab at the University of Wisconsin Madison. Here I am a lead in one of our Projects called "Watson Conversation Simulator" which is an application that chat-bot designers can use to test for any design flaws in their chat-bots. I started this research during Summer 2017 along with my Internship at Ionic Framework as a Software Developer Intern where I was working with the backend team. One of the task that I was assigned with, during my internship was to create a Sphinx (python auto-docker) extension which documents nested classes and its fields based on a SQLAlcamemy model. During my internship, I also gained my exposure to agile and software life development cycles. In addition to the internship, I wanted to gain more real-world experience and that is one of the main reason why I enrolled in the Software Engineering class in UW Madison. In this class, me and my teammates decided to work with the UW robotics team, to create an object recognition software called DORA (Desert Object Recognition and Avoidance). DORA uses TensorFlow to detect and differentiate tennis balls in a desert like environment of Utah where the UW robotics team plans to compete with other schools. This project would involve machine learning and thus help me have a better understanding about it. Apart from this I am also stepping into the realm of "Internet of things" and as a starter project I am running a node server from my raspberry pi which is connected to the lights in my room. Now by sending post requests from any devices in my building I can turn the lights on/off. Furthermore, my previous job in the UW Psychiatry department as a Student helpdesk support, helped me understand the various concepts of Networking and also helped me improve my computer trouble shooting and customer service skills.

My passion for computer science is the main factor that drives me to gain more knowledge about various technology that are currently trending among us. In the future, I want to get a Master's degree in Computer Science to improve my knowledge base even more. Ultimately, I want to be a very successful person and one of the best software engineers in the industry. If you have any further questions or would like to schedule an interview, please contact me at 312-478-1133.

Sincerely,
Pranav Rajiv