Daniel George

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Hello,

I’m Daniel and I’m applying as a Software Engineering/Simulation/Data Science intern for Summer 2021. I really want to apply my Python and C++ Experience and machine learning interests to a cutting-edge project at Waymo.

I gained Python and Machine Learning experience by making a neural network to classify handwritten digits from the MNIST database. I implemented a feedforward neural network with backpropagation from scratch, to classify the digits with about 95% accuracy. In a data science course, I’m learning to create meaning from abstract data. I gained Software and Electrical Engineering experience at an internship at a medical robotics startup, where I designed circuits and wiring diagrams for a working robot prototype as well as created a program to display the pose of a robot arm using an API in C++. I think this experience working directly with robot hardware would me write more informed software.

I know that a successful intern at Waymo needs to be a quick learner. As a Computer Engineering major at UC San Diego, I try to do all that I can to learn and gain experience in my field. I joined a robotics lab, and my current project is to determine the position and orientation of a marker using CT data. I know that this experience will translate to working on camera/lidar data at Waymo.

Working at Waymo has been a dream of mine for a long time – I am inspired by your mission towards safer, easier transportation. I know I will be inspired by the same mission while validating vehicle performance as part of the Waymo team. I’m curious about level 4 autonomous driving, and I would love to have my work contribute to that goal. I look forward to meeting through an interview. Thank you so much for taking the time to review my application.

Sincerely,

Daniel George