

Pitch:

I am currently a PhD student in the computer vision and machine learning department at the Max Planck Institute for Informatics in Saarbrücken. The Max Planck Society is a large fundamental research society in Germany, that includes many different institutes spread all over Germany. Before starting my PhD, I completed my bachelor and master in computer science at RWTH Aachen university. There I focussed on computer vision and machine learning and also completed a minor in mathematics. For example, my bachelor thesis was on superpixel segmentation of images and my master thesis was concerned with deep learning for 3D reconstruction of point clouds. During my studies I also spent a semester abroad at Georgia Tech and worked at several companies, including Fyusion, a small start-up in San Francisco at that time, Microsoft, Mobis, an automotive supplier, and the Fraunhofer Institute in Bonn, which is a state-funded, applied research institute. For my PhD, I am interested in understanding and improving the robustness properties of deep neural networks considering random and adversarially crafted changes in the inputs. Beyond my PhD, I believe in open source; for example, most of my research work as well as many projects in web development can be found on GitHub.