

Michael Beard

This research project was the primary focus of my master's thesis. I gained confidence working independently and problem solving both equipment and technical issues. I became confident working with large data sets in MATLAB and increased my programming abilities through processing and analyzing data. I learned the importance of collecting data using methods to assist post processing and developing software tools to streamline data processing and analysis. I learned how to work with participants and gained experience with the IRB process and protocols. I also worked on my technical writing and how to present large sets of data. This project provided a good real-world connection to the engineering topics I studied in my coursework and pushed me to work with real world data and the technicalities that come up with experimentation and research.