General Motors Israel (Herzliya) takes a significant part in shaping the autonomous vehicle. We work on Active Safety, Smart Sensing, Vision Systems, Signal Processing, Machine Learning, Sensor Fusion, Artificial Intelligence and Cognitive Systems. The technical domains and ongoing work streams include software and hardware groups (research, development and engineering) that work on the most complex issues and challenges facing the new mobility era. We shape the face of the future vehicles in diverse fields by developing cutting edge technologies.

About the Group:

The Smart Sensing & Vision Group conducts research with several sensing modalities, including vision, radars and optical depth sensors, toward improved safety and autonomous vehicles. It’s responsible for developing perception algorithms and novel sensing systems for active automotive safety, autonomous driving, driver monitoring and robotics in flexible and intelligent manufacturing systems. We are looking to hire an intern to assist in advanced multi-disciplinary research in the fields of machine learning, radar imaging and computer vision.

What will YOU do?

Working on exploratory projects, the intern will take part in designing and conducting field and lab experiments, analyzing the results, brainstorming novel ideas. Essentially, the intern will be involved in a data-driven project, and will assist the researchers in the following:

- Data collection
- Sensor fusion
- Data infrastructure and tools
- Deep learning algorithms

What are we looking for?

- MSc student in Computer Science / Electrical Engineering / Mathematics / Physics
- Programming skills: C++, Python, Matlab
- Experience in Machine Learning (statistics, deep learning)
- Excellent problem solving skills

It’s an advantage if you have:

- Experience in computer vision (camera geometry, 3D, object detection and segmentation)
- Experience in radar signal processing or Industrial experience in the relevant areas
- Experience in management of applied research projects, including work with technology suppliers
- Proven research background (papers, reports, patents).

To apply, send your CV to: TA.Israel@GM.Com!