



## **Artificial Intelligence and Robotics Engineer – Motion Planning**

### **Job Description**

As STM's Artificial Intelligence and Data Fusion group within Autonomous Systems, we deal with challenging problems in autonomous systems, design and employ state-of-the-art methods to tackle them. We are looking for a passionate Artificial Intelligence / Robotics engineer for motion/path/behavior planning tasks in autonomous vehicles/systems.

### **Responsibilities**

The ideal candidate should be comfortable making significant contributions in a few of the following categories:

- Research and develop path / motion / behavioral planning algorithms.
- Research and develop collision avoidance and co-existence algorithms.
- Research and develop autonomous navigation algorithms.
- Develop high performance, high quality algorithms and software.
- Stay on the cutting edge, maintaining a keen understanding of innovative technologies in the Robotics and Artificial Intelligence field.

### **Minimum Qualifications**

- M.S. or PhD in related field.
- Expertise and deep understanding of path/motion planning theory and decision making.
- Experience with Linux.
- Proficiency in C++, Python and Matlab.
- Fast prototyping skills.
- Collaborative, positive, team-oriented mindset.

### **Preferred Qualifications**

- Experience in Robotics Operating System (ROS).
- Familiarity with hardware such as Lidar, Radar, GPS/INS and IMU.
- Understanding of kinematic and dynamic vehicle models.

**Please send your Resume/CV to [udemirezen@stm.com.tr](mailto:udemirezen@stm.com.tr) if you are interested.**