Maks(im) Sorokin

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EDUCATION

M.S., Computer Science	2017 - 2020
Georgia Institute of Technology	*Atlanta, GA*

Specialized in: Computational Perception and Robotics

Advised by: Dr. C. Karen Liu

MOOCs	2015 - Present
Udacity, Coursera, CS231n, DeepRL, fast.ai etc.	

Completed: AI, DL, and Self-driving car programs

B.S., Computer Engineering	2013 - 2017
Izmir University of Economics	*Izmir, Turkey*

Honor and High Honor Student award winner

EXPERIENCE

Head Teaching Assistant	Present

Artificial Intelligence class by Dr. Thad Starner & Dr. Thomas Ploetz

• Helped organize and teach the class of 400 online and 150 on-campus students

• Led the team of 15 TAs

| **Python** | **Docker** | **Numpy** | **Pandas** | **jupyter** |

Project Mentor & Reviewer	Jan - Jul 2017

Udacity - AI and Deep Learning programs

• Mentored and guided 200+ students providing feedback on 1500+ projects

• Reviewed CNN, GAN, and RNN projects

| **Python** | **Tensorflow** | **Keras** | **Numpy** |

AWARDS

Informatics Association of Turkey	2017

Best University Graduation Project (exhibition visitors choice)

Scientific and Technological Research Council of Turkey	2017

Finalist of Country-wide Software Development University Competition

Udacity DIDI - SDC challenge	2017

7th in round 1, and 12th in round 2 out of 2000 teams competitive challenge

Izmir University of Economics	2015-2017

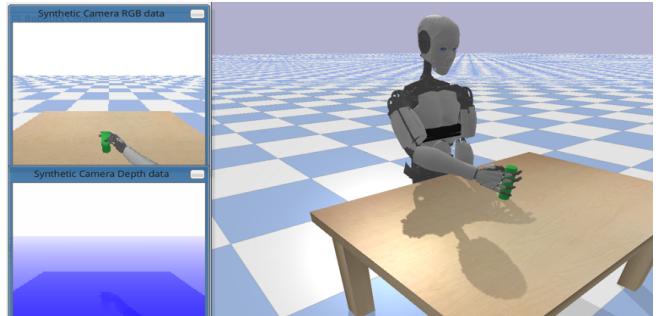Honor and High Honor Student Award Winner

SKILLS

Working: Python, Pytorch, Numpy, Pandas, Tensorflow, Keras, OpenCV, Docker, ROS, Gazebo, PyBullet, git
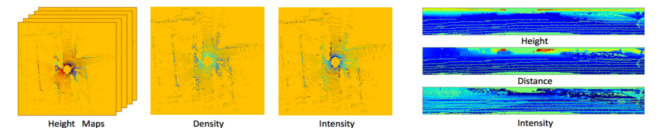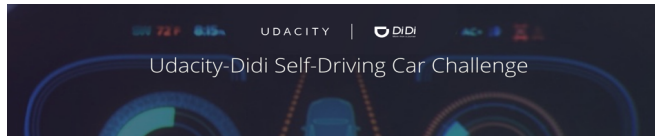
Basic: C/C++, Lua

Learning: Swift4Tensorflow

PROJECTS

Vision based object manipulation

Object localization and in-hand manipulation using Deep Reinforcement Learning

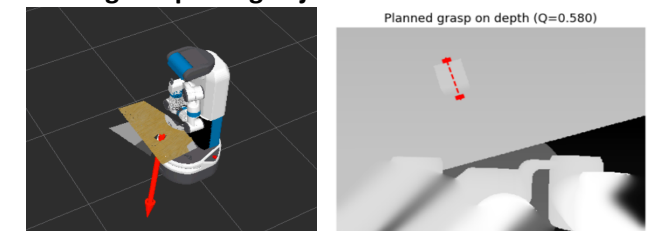| **Python** | **Pytorch** | **Pybullet** | **Numpy** | **DDPG** | **SAC** | **TD3** |

DIDI - Self-driving Car Challenge

LIDAR/RADAR based obstacle/vehicle recognition and pose estimation challenge

| **Python** | **Keras** | **Tensorflow** | **OpenCV** | **ROS** | **PointCloud** |

Locating and picking object with Fetch Robot

Locating, navigating and grasping object using MoveIt! & GQ-CNN using Fetch robot in Gazebo.

| **Python** | **Tensorflow** | **OpenCV** | **Gazebo** | **Docker** | **ROS** |

Swinging Character Animation

Learning pull up bar swinging policy for animated characted using Deep RL.

| **Python** | **C++** | **Tensorflow** | **DARTsim** |