BAUYRZHAN ZHAKANOV

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Targeting a 3-month, full-time internship position from 05.2020-08.2020

EDUCATION

Nazarbayev University, Kazakhstan *Sep 2017 - expected Jun 2021*
Bachelor of Engineering & Digital Sciences
Robotics and Mechatronics

WORK EXPERIENCE

Research Assistant (RA) in alaris.kz *May 2019 - present*
- The laboratory focuses on research in specific areas of intelligent industrial, assistive and mobile robotics.
- Successfully implemented RTabMap for Localization and Mapping via Kinect V1
- Successfully used and tested different version of Visual Odometry for Localization and Mapping

Stand Exhibitor at EXPO-2017 *June 2017 - August 2017*
- EXPO 2017 Future Energy is the international event situated in 2017 in Nur-Sultan, Kazakhstan. Visitors were able to know more about new green technologies from presentations, staff and engineers

PROJECTS (ALL AVAILABLE IN GITHUB)

Machine Learning Project: Driver Distraction Identification
- This is a machine learning course project at Nazarbayev University.
- Implemented VGG16 architecture neural network for identification of driver position.
- The dataset is the property of professor H. Eraqi from the Machine Intelligence group at the American University in Cairo, Egypt.

Gesture Control with Arduino
- This is a gesture control by hands via Arduino Uno and two Ultrasonic sensors. Project was made during the Microcontrollers Course (ROBT 204) at Nazarbayev University, Nur-Sultan, Kazakhstan.

Browser
- The project is created with a help of Delphi7
- Created during the high school

MENTORSHIP

Student Mentor at Microsoft Digigirlz *June 2019*
- Successfully organized the Microsoft Digigirlz event
- Mentored and helped girls to build a RoboHand with Arduino via C Language which was held at Microsoft Digigirlz, Nur-Sultan, Kazakhstan.

TECHNICAL SKILLS

Programming: Python3, C++, MATLAB, Java, Delphi7
Software & Tools: **Deep Learning Framoworks:** PyTorch, Caffe2, OpenCV, PointCloud
Mechanical Design and Simulation: Solidworks, MATLAB, V-REP, Gazebo, ROS