

DINMUKHAMMED MUKASHEV

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EDUCATION

Nazarbayev University, Astana

Expected Grad: *May 2021*

B.Eng. Robotics and Mechatronics, 4th year

EXPERIENCE

**Advanced Robotics and Mechatronics Systems Laboratory,
Tactile Lab**

September 2019 - Present

Research Assistant

- Working in Unity and VR (Oculus Rift).
- Scripting in C# and Python programming.
- Working with Teensy 3.2 board and DAC (Digital to Analog Converter)
- Data Acquisition using ROS and Socket Communication.

Big Dream

May 2020 - August 2020

Summer Internship

- Developed Simulator for Truck Drivers.
- Worked with Virtual Reality (Oculus Quest).
- Developed intractable applications for education in Augmented Reality (AR).
- Used Vuforia Engine plugins for Unity.

Zittau/Gorlitz University of Applied Sciences, Germany

June 2019 - August 2019

Internship

- Developed a simulation of the Thermal Power Plant in Unity 3D.
- Development for Virtual Reality (HTC Vive Pro).
- Particles System implementation.
- Scripted in C#.

ABC FabLab

December 2018 - January 2019

Engineer Assistant

- 3D modelling using Fusion 360 and Solidworks software
- 3D printing on Ultimaker 2
- Worked with Epilpog laser engraver, Roland milling machine, and Shopbot CNC machine
- Conducted safety training for 30+ students

TECHNICAL STRENGTHS

Modeling and Analysis

Fusion 360, Solidworks, Unity 3D, MATLAB, Altium Designer, CODESYS, AutoCad, ROS

Computer Languages

JAVA, C#, C, C++, Python

Microcontrollers

Arduino, Beaglebone Black, Teensy, STM, FPGA