

DINMUKHAMMED MUKASHEV

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EDUCATION

Nazarbayev University, Astana
B.S. Robotics and Mechatronics, 3rd year

Expected Grad: *May 2021*

EXPERIENCE

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

September 2019 - Present

- Worked in Unity 3D and VR (Oculus Rift).
- Scripted in C#.
- Worked with Teensy 3.2 board and DAC (Digital to Analog Converter)
- Created haptic vibrations using *Haptuator Mark II* motor.
- Integrated Hardware with Software (Unity 3D).

Zittau/Gorlitz University of Applied Sciences, Germany
Unity Developer

June-August 2019

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

ABC FABLAB
Head Engineer Assistant

December 2018

- Part time worker in FABLAB, Nazarbayev University Techno park. Conducting safety trainings on various machines. Working on 3D printers, plotters, laser engraver, milling machine etc.

NU Robotics Club
Member

October 2017 - May 2018

- Organising university wide event, masterclasses and guest lectures.
- Run robo-summo and line-following local competitions using Lego NXT and EV3 sets.
- Member of Abu Robocon team that used VEX and arduino, to make soft-ball throwing robot.

TECHNICAL STRENGTHS

Modeling and Analysis

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

Computer Languages

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

Microcontrollers

Beaglebone Black, Teensy, STM, Arduino, FPGA