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Updated: October 3, 2018

## RASHIDOV OYBEK (ラシドフ・オイベック)

### EDUCATION

#### KYUSHU UNIVERSITY (MASTER IN ENGINEERING)

School of Engineering, Mechanical Engineering Major

Research laboratory: System-engineering laboratory

Date of expected graduation: September 2019

Location: Fukuoka, Japan

Kobayashi International Scholarship (小林国際奨学財団) recipient, 2017-present

Student member of JSME (Japan Society of Mechanical Engineering), 2018-present

#### KYUSHU UNIVERSITY (BACHELOR IN ENGINEERING)

School of Engineering, Mechanical Engineering Major

Research laboratory: System-engineering laboratory

Date of graduation: September 2017

Location: Fukuoka, Japan

GPA: 3.25

#### INTERNATIONAL HOUSE TASHKENT HIGH SCHOOL

Natural Science Major

Date of graduation: September 2013

Location: Tashkent, Uzbekistan

### RELATED EXPERIENCE

**Type:** System Engineering Laboratory

**Website:** <http://system.mech.kyushu-u.ac.jp/>

**Period:** 2016-present

**Laboratory Description:** The laboratory focuses on the development of surgical robots, motion assist robots and robots that are used for rehabilitation purposes. Besides that, the laboratory deals with soft robotics, brain-machine interface, human-machine interaction, fuzzy control and machine learning.

**Description of my research:** My research focuses in control methods of lower-limb exoskeleton (wearable leg robot). The most necessary skills for my research field are knowledge in **programming (C/C++ with OpenGL), Neural Network, fuzzy control, 3d modeling, electronics and robotics.**

**Publications:**

- “Autonomous Control of Lower-Limb Exoskeleton Based on User’s ZMP”, Rashidov Oybek, Kazuo Kiguchi, *Robomech conference, 2018*
- “ZMP-based fall prevention assist of lower-limb exoskeleton using fuzzy control”, Rashidov Oybek, Kazuo Kiguchi, *JSME Kyushu conference, 2018*

**SKILLS** Proficient in C/C++ (3 years of experience), as well as OpenGL.  
Proficient in Windows (7,10), MacOS and Linux operating systems.  
Proficient in Matlab and SciLab.  
Proficient in robotics, electronics, Arduino and AI (Artificial Intelligence)  
Proficient in 3d modeling (AutoCAD and PTC Creo)  
Proficient with HTML, CSS, JavaScript  
Familiar with Fortran  
Currently actively learning Java

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**LANGUAGES** Russian – native level  
Uzbek – native level  
English – native level  
Japanese – business level

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**ADDITIONAL  
INFO**

**Extracurricular activities:**

KUFSA (Kyushu University Foreign Student Association)  
Project officer, Web administrator (<http://www.isc.kyushu-u.ac.jp/kufsa/>)  
2018-present

Member of Kyushu University Swimming Club (九州大学水泳部), 2013-2016

Captain of High school's swimming club, 2010-2013

**Awards:**

National champion of Uzbekistan in swimming among high school students, 2011-2013

2nd place in mathematics in a regional competition among high school students, 2013

**Hobbies:**

Soccer, Swimming, Traveling, Robotics projects