

Name: Sultan Yerumbayev
Address: Innopolis, Russian Federation

Phone: +79046630123
E-mail: sultan.verumbayev@gmail.com
Date of birth: 4 October 1991
Citizenship: Kazakhstan



Education

2016 – 2018. Innopolis University. Master of Science - MS, Artificial Intelligence and Robotics. Innopolis, Russian Federation.

2011 to 2016. Nazarbayev University, Engineering school, Electrical and Electronic engineering, majoring in power engineering, Astana, Kazakhstan

2009-2011, Eurasian National University, incomplete higher education up to 2nd course

Internship

May – July 2017. Soutnik. Network Engineer Intern. Implementation of ad-hoc 2.4 and 5 GHz mesh Wi-Fi network on ARM microcontrollers.

May-July 2015, National Space company: assistant in Testing Department

July-June 2015, Devir Ltd. Electrical Automation and protection engineering assistant

WORK EXPERIENCE

January – Present 2019. Diginavis Ltd. Machine Learning engineer. Research and development of machine learning applications in Building Information Systems (BIM), Java, Python. Innopolis

August – December 2018. Indusoft Ltd. Data analyst. Data processing using R, usage of statistic in failure prediction and predictive maintenance within industrial projects. Innopolis.

July - August 2018. Gradient Killby LLC. Engineer programmer. Developed data collection soft for KNX building automation system. Innopolis.

Oct 2017 – March 2018. Self-Employed. Machine Learning Engineer. Computer vision. Development of Invoice Recognition system: information retrieval from scanned documents. Responsible for image preprocessing: smoothing, thresholding; Tesseract. Optical Character Recognition integration to Django back-end. Innopolis.

August, 2012 to 2014, Math and English tutor for school students and adults, Astana, Kazakhstan

RESEARCH EXPERIENCE

July 5, 2017 – June 2018: “Occupancy model of a building using machine-learning techniques and reinforcement learning optimization of energy consumption”. Master thesis

August 2015 – July 2016. “Simulation of a Eurasian Supergrid”. Capstone project.

February – March 2016: Product design engineer in “Solar driven water pump for remote areas” at Nazarbayev University Research Innovation System. Developing active dual axis solar tracking system.

October to December 2015: Research intern at Energy, Ecology and Climate laboratory at Nazarbayev University, duties: developing national energy and economic model and its optimization

February – March, 2015. Dual Feedback Design methodology for XOR-XNOR circuits [conference paper]

June, 2012. Solar water pump research project at Nazarbayev University Research Innovation System (NURIS.)

INTERNATIONAL COMPETITIONS

2nd place in Junction Hackathon 2018, “Brain of the building” category.

LANGUAGES

English - advanced;

Russian – fluent;

OTHER SKILLS & OCCUPATIONS

Engineering: Power engineering

Sport: wrestling, football.

Beginner skills: Front end web development, computer vision

Additional links:

https://www.researchgate.net/profile/Sultan_Yerumbayev

<https://github.com/Sultan91>

<https://www.linkedin.com/in/sultan-yerumbayev-5166a057/>