

SHYNGYSKHAN ABILKASSOV

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EDUCATION

Nazarbayev University, Astana

BSc in Robotics and Mechatronics.

August 2017 - Present

Overall GPA: 3.79

WORK EXPERIENCE

ALARIS Laboratory

December 2018 - Now

Research Assistant at Autonomous Truck development project

- Generated simulation model for world model and a truck itself with ROS services for remote control
- Integrated ROS messaging for LIDAR, Camera, IMU, GPS for remote data acquisition and control of simulation model and used this data for obstacle localization and avoidance.
- Implemented data access for non-ROS environment through sockets and Flask REST service for visualization of on web interfaces.

Zerde National Infocommunication Holding

April 2018 - July 2018

Software Engineer Intern

- Developed user-interface for search and export of documents using Elastic Search in MongoDB database.
- Implemented user activity monitoring web service in internal portal for detection of suspicious activity. Designed and created both REST service and admin interface.

PROJECTS

ai.ball

Conversational Telegram chat-bot. ai.ball uses Naive Bayes algorithm for NLP, Yandex SpeechKit for audio recognition and synthesis and multiple Flask micro-services for continuous data scraping and image-as-response generation.

Ashyq Hattar

Both IOS and Android application in Kazakh developed for ease of elder population for image search, generation and sharing written on React Native. 700+ downloads. Mentioned in Forbes, Informburo.

SearchForMe

Telegram chat-bot on Python which searches and scrapes information from Google, Yandex, Mail.ru, and Rambler. SearchBot constantly monitors all current ratings and informs users about changes in result positions for their inputs.

ACHIEVEMENTS

1st place in HackNU 2019, BTSD case

2nd place in Astana Hackathon Smart Services

2nd place in HackNU 2018, ZeroToOneLabs case

Country Executive in Kazakhstan at Central Asian Youth Network, established by the OSCE

SKILLS

Languages

Python, Java, C/C++, JavaScript(Node.js)

Tools & Technologies

Git, ROS, OpenCV, MATLAB

Databases

NoSQL, GraphQL, Firebase