DARYN KENESSOV

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EDUCATION

Bachelor of Computer Science, Nazarbayev University August 2018 - June 2023
Relevant Coursework: Programming for Scientists and Engineers, Performance and Data Structures, Computer Systems and Organization, Machine Learning and Artificial Intelligence.

LANGUAGES AND TECHNOLOGIES

- C/C++, Java, JavaScript, Typescript, Jflex, CUP, HTML, CSS, Python
- React, Bootstrap, Postman, Linux, Material UI

EXPERIENCE

Junior Front-End Developer April 2021 - October 2021
1rule.kz (startup) *Astana, Kazakhstan*

- Developed multi-page web application with online courses on React and Typescript
- Added new architecture to the project which led to improvements in optimization.

Research Assistant April 2022 - May 2023
Nazarbayev University *Astana, Kazakhstan*

- Modified the drone algortihms for autonomous learning.
- Developed drone simulations on Webots and Matlab simulations.
- Using Raspberry Pi 4, flight controller and sensors builded programmable drone for commercial uses.

Front-End Developer April 2023 - May 2023
Paperlab.kz *Astana, Kazakhstan*

- The technology used: React, Typescipt and Material UI
- Rebuilt the web page completely and added new features to the site.
- Worked with Senior Front end developer in pair to optimize the web site and create multi-user experience.

PROJECTS

Food Calorie Calculator(April,2019) Created web site using React Libraries, in order to calculate the calories using the amount of weight of the food.

Shortest Path Finder(June,2022) Developed path finder using A star and Djikstra algorithm for self made drone using Python. It can freely choose start and end nodes.

Connection of actuators to the telescope(October,2022) Connected actuators to the motors using arduino and MOSFETs. Lately, this actuators will be used in detecting gamma rays in the environment.

Self-made compiler(January,2023) Created self-made compiler using JFlex and CUP lexical analyzers for the self-made language based in python.