Ali Akturin

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EDUCATION

Kazakh-German University   **September 2020 - May 2024**
Bachelor of Arts, Mathematics   Almaty, Kazakhstan
- GPA: 3.79

High School 20   **September 2019 - May 2020**
Math and Physics track   Almaty, Kazakhstan
- GPA: 4.0

SKILLS

- **Languages:** English, German, Russian
- **Programming Languages:** Python, C, C#
- **Technologies & Frameworks:** Unity, SQL, R, Excel, Git

LICENCES & CERTIFICATIONS

IBM Data Science Professional   **2021**

PROFESSIONAL EXPERIENCE

Kazakh-German University   **October 2020 - Present**
Data Quality Specialist   Almaty, Kazakhstan
- Used SQL and Python to retrieve data and generate over 17 weekly financial reports of the university student council.
- Developed a post-pandemic recovery model for "Dostyk" hotel chain.
- Collaborated with 5 colleagues on organization of 10 events for college students.

High School   **September 2019 - May 2020**
Math Tutor   Almaty, Kazakhstan
- Tutored 10 high school students in calculus

PROJECTS

NeuralProtect
Neural Network Backdoor Trojan Attack Detection | Tensorflow, YouTube API, SciPy
- Designed a STRIP-based backdoor detector against trojan attacks and trained it on the YouTube Face dataset.
- Achieved an attack success rate with the minimum of 93.5% for targeted attacks and 81.32% for untargeted attacks.

WFH Workout
Home Workout Embedded Microcontroller | C++, Assembly, STM32 microcontroller, PlatformIO
- Utilized STM32 microcontroller board accelerometer to track real-time workout data.
- Implemented on-device detection of sit ups, pushups, jumping jacks and squats.
- Developed real-time user feedback system utilizing STM32 microcontroller LEDs.

Computer Geeks
Website for computer hobbyists | Express, NodeJS, Passport, MongoDB, REST API
- Users can create their own accounts, post custom PC configurations, delete them, and leave comments.
- Authentication and user data storage.