

ILIAS BAKTYBEK

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Computer science student with proficiency in C++, Java, Python, and Flutter equipped with strong problem-solving and communication skills. Seeking a Software Developing/Engineering job to gain practical experience. I am enthusiastic about the opportunity and am willing to relocate to any location in the U.S.

EDUCATION

Ohio University | Athens, OH Anticipated Graduation: **May 2025**
Bachelor of Science in Computer Science, Minor in Mathematics GPA: **3.51**

EXPERIENCE

RSK Tech | Bishkek, Kyrgyzstan **June 2024 – August 2024**
Mobile App Developer Internship

- Developed a new account management feature, allowing users to effortlessly view and manage multiple accounts, which led to a 15% increase in app usage
- Designed and implemented the user interface using Flutter, ensuring a consistent and intuitive user experience
- Collaborated closely with the QA team to conduct thorough testing and debugging, significantly reducing app crashes by 20%

STEM Tutoring at Ohio University | Athens, OH **February 2024 – March 2025**

- Tutored college students in programming (Python, Java, C++) and math (calculus, linear algebra)

COURSEWORK & PROJECTS

Personal website: iliasbaktybek.github.io (for additional information and projects)

Driver Drowsiness Detection System **September 2024 – Present**
(face recognition and data processing software in Python, mobile app in Flutter)

- Developing a real-time driver drowsiness detection system using Python, OpenCV, and Firebase for facial recognition, head placement, and eye state analysis to enhance road safety
- Implementing algorithms for image processing to analyze video feeds for signs of drowsiness, focusing on facial landmarks and eye aspect ratio calculations
- Developed a mobile application that displays real-time drowsiness data and triggers alerts upon detecting drowsiness, integrating Firebase to securely associate data with individual users

Medicine Reminder App (mobile application in Flutter) **June 2024 – Present**

- Developing a mobile application in Flutter that sends notifications to remind individuals to take a particular medicine at a specific time
- Working on enabling a dual-user system for patients and doctors, utilizing Firebase for authentication and data storage, allowing doctors to send patients personalized medication lists, which automatically set up reminders on patients' phones

Cancer Mutation Analysis using Random Forests (ML model in Python) **September 2024 – December 2024**

- Developed a machine learning model to analyze genetic mutations associated with cancer using Random Forest in Python
- Analyzed a dataset of over 100 samples with a broad spectrum of genetic mutations, implementing data preprocessing techniques, including feature selection, imbalanced data handling, and removing sparse samples, while identifying significant mutations linked to cancer

HONORS AND RECOGNITION

Dean's List | Ohio University **Fall '21, Spring '23, Spring '24**

CERTIFICATIONS & TRAINING

Flutter & Dart - The Complete Guide [2024 Edition] – Udemy **June 2024 – July 2024**

SKILLS

Technical: C++, Java, Flutter, Linux, Python, Git, JavaScript, HTML5, CSS3, C, VSCode

Language: English (Full Proficiency), Kyrgyz (Native), Russian (Full Proficiency), Spanish (Basic)