# 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 in the field and contribute to innovative projects while learning from professionals. 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

**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)