Eliza Petrycka

github.com/epetrycka
+48 508 403 476
elizapetrycka@gmail.com
www.linkedin.com/in/eliza-petrycka-239aa1310

About me

I am a student actively developing my skills in Computer Science, with two years of dedicated effort to advance in the tech industry. I am ready to embrace new challenges, continue growing, and contribute with creativity and dedication to innovative projects.

Education

AGH University of Kraków

Computer Science and Intelligent Systems field
2023r. - current

I Secondary School in Hrubieszów

Advanced Level:
Mathematics, Physics, and Computer Science
2019–2023r.

Private Music School in Hrubieszów

Second degree Music School diploma
Piano Class
2016–2023 r.

Projects

PlayGrid Group Project

Developing a web application for offering game server hosting. Includes database design, API development, frontend implementation, and deployment on AWS.

EasyBank Project

Designed and implemented a microservices-based banking application with Java Spring Boot, leveraging Docker, Kubernetes, Helm, MySQL, RabbitMQ, REST APIs, MTL, and Istio to ensure scalability and efficient service communication.

Stream Data Processing and Analysis

Developed a real-time data processing application for Bitcoin streaming data using WebSocket. Built a pipeline with Apache Beam, Pub/Sub, and Dataflow, containerized with Docker and Kubernetes on Google Cloud, and implemented data storage in Firestore and BigQuery.

Languages

Polish	native
English	B2+/C1
Russian	B1

Skills

Programming languages

Python | Java | C/C++/C#
JavaScript

Database management systems

MySQL | PostgreSQL

Container tool

Docker

Other

Git | Unity | React
Unix Systems

Work Experience

AGH Code Industry Science Club

Collaborated on a 3D game development project in Unity. Responsible for programming, designing user interface (UI/UX), and implementing game logic.

Synaptica AGH Science Club

Started a new science club with a small team, currently working on a project to develop an application for collecting data from measurement devices such as smartwatches.