



**Certificate of Completion  
of the “Asynchronous  
Programming in Python”  
Professional Training Course**

Iuliia Isaeva has successfully completed the “Asynchronous Programming in Python” at Practicum by Yandex (INO CPE “Yandex EdTech”) – 150 hours.

Registration number  
20232APP00134

Content covered in the course:

1.	Parallel Programming: Multiprocessor and Multithreaded Programming, GIL, Synchronization Primitives	15 h	Pass
2.	Project: Receiving and Analyzing Data of an External API Using the Concepts of Parallel Programming	15 h	Pass
3.	Asynchronous Approach: Concurrent Programming, Basic Data Structures, Magic Methods, Iterators, Generators, Coroutines	15 h	Pass
4.	Project: Designing and Implementing a Task Manager Using the Concurrent Programming Method	15 h	Pass
5.	Asynchronous Programming: Asynchronicity Concepts, Event Loop, AsyncIO, HTTP, Asynchronous HTTP Clients	15 h	Pass
6.	Interactive dashboard in Tableau (including 1 home project)	15 h	Pass
7.	Asynchronous Frameworks and Libraries; FastAPI; Asynchronous Clients for Databases and ORM	15 h	Pass
8.	Project: Designing and Implementing a URL Shortening Service Using FastAPI	15 h	Pass
9.	Working with an Asynchronous App in Production: Introduction to DevOps, Docker, Nginx, Automation, C/CD, Configuring and Setting Up a VM. Interacting with Yandex Cloud	15 h	Pass
10.	Project: Designing and Implementing a Cloud Storage Service: Deploying a Service in a Cloud	15 h	Pass

Lyudmila Romash,  
Representative by Power of Attorney  
INO CPE “Yandex EdTech”



Sergey Brazhnik,  
Director of  
INO CPE “Yandex EdTech”



23.10.2023