## EVGENIIA CHIKINA

I am Bioinformatic Master student who previously graduated from Medical University. I use all my medical and biological knowledge to combine with the world of computer science. At the moment I have especially good knowledge and skills in analyzing RNA sequencing data. Now and in the future I try to develop and gain knowledge in various aspects of bioinformatics, in particular in such areas as: data science and machine learning, multi-omics data analysis.

View and download this CV with links at https://github.com /JaneChik/cv or here

#### **EDUCATION**

Current 2020

### Master degree, Applied Mathematics and Informatics, Bioinformatics and System Biology

ITMO University

Saint-Petersburg, Russia

- Thesis: Metabolic Modules Identification in Single-Cell Data
- Course Project: Identifying Metabolic Modules in TCGA Datasets
- Semester Project: Effects of Background RNA Noise on Differential Expression Results in scRNA-seq

2020 2014

#### Specialist degree (with honors), Pediatrician

Saint-Petersburg State Pediatric Medical University

Saint-Petersburg, Russia

Pediatrician



# RESEARCH PROJECTS



#### Metabolic Modules Identification in Single-Cell Data

ITMO University

Saint-Petersburg, Russia

- · Thesis
- Main goal of the project is to extend applications of the GAM-clustering tool on the single-cell RNA-seq data. In order to find optimal clustering algorithm performed and analysed multiple clustering strategies for the single-cell RNAseq data. Used trajectories and gene set enrichment analysis for biological interpretation of the results. Involved in the modification of the tool.



#### **Identifying Metabolic Modules in TCGA Datasets**

ITMO University

Saint-Petersburg, Russia

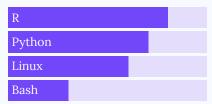
- Course Project
- With previousy developed GAM-clustering algorithm analyzed TCGA datasets (LUSC) - bulk RNA-seq data. Identified metabolic modules and performed biological analysis of them. During work was involved in the modification of the tool and testing.

#### CONTACT

github.com/JaneChik

in evgenia\_chikina

### **SKILLS**



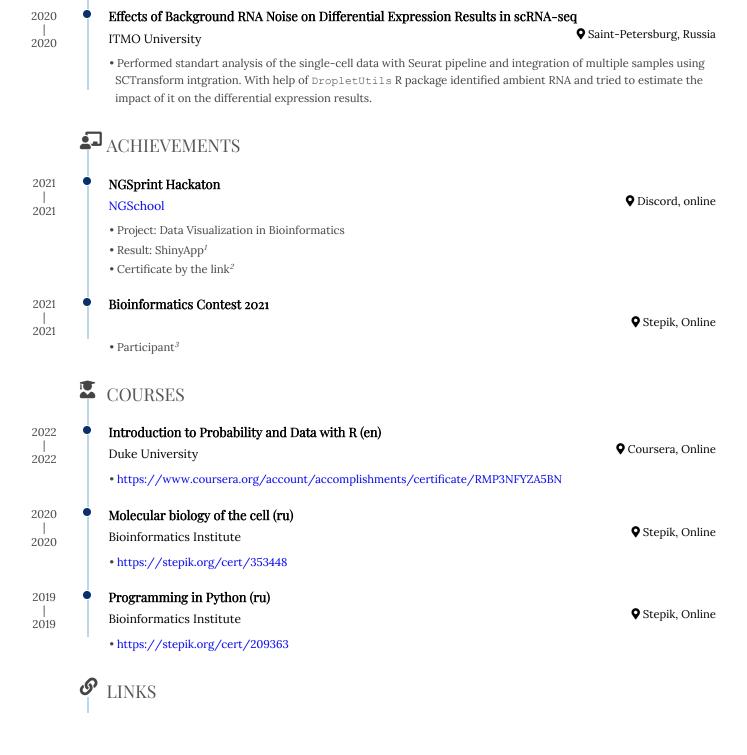
#### LANGUAGES

Russian	
English	
German	

Made with the R package pagedown.

The source code is available on github.com/nstrayer/cv. Modified source code for this CV is available

Last updated on 2022-03-22.



- 1. https://github.com/JaneChik/NGSprint\_Hackathon-TCGA\_RShinyApp
- $2. \verb| https://drive.google.com/file/d/1PS_joxoZYsNmJzZyqR5xkMqH9ZiE5UrO/view?usp=sharing | 1. | the property of the propert$
- 3. https://drive.google.com/file/d/1SEgIqYqY7m2tne\_XPy9rAscXteFH957N/view?usp=sharing