

Ekaterina Dagkesamanskaya

BIOINFORMATICIAN • BIOMEDICAL DATA ANALYST

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🌐 Sputnik-V (2021, 2022)

Education

2020 – 2023

Life Sciences

MSc · Skoltech, Moscow 🏛

GPA: 4.7 / 5.0

👤 P. Khaitovich ✉ 👤 G. Bazykin ✉

Thesis: Transcriptomics and lipidomics for brain age gap analysis in schizophrenia patients

python R

2016 – 2020

Intellectual Systems

BSc · RSUH, Moscow 🏛

GPA: 4.9 / 5.0

👤 V. Finn

Thesis: Software tools for the improvement of prediction completeness by the JSM-method for pancreatic diseases diagnosis

C#

Work experience

2020 – 2021

Data Analyst

SEMANTIC HUB · Moscow 📍

Completed 5 projects on orphan diseases: statistics & visualisation of patient journey data obtained by NLP

ArangoDB

Pandas Chord BitBucket JS

2020 – 2021

Bioinformatician

DIGITAL GENOMICS · Moscow 📍

Bioinformatics and clinical data analysis of children's genomes

IGV Biopython

Programming

python

bash, SQL, AQL

R, C#

LaTeX, HTML, JS, UML

Tools & Software

IGV

PyMOL

Jupyter Notebook

Git

.NET

Microsoft TFS

Mathematica

Protege

CorelDRAW

Photoshop

Trello

Miro

Conferences & workshops

Participant

"Single cell analysis" KIDB RAS school, 2021

Participant

SCAMT Workshop Week 2020

Speaker

Student conference of IL RSUH 2018

Participant

Summer Neurolinguistics School 2017

Internships

Jun-Jul 2021

Mitochondrial Bioinformatics

GENETICO · Moscow 📍

Comparative testing of bioinformatics tools for the analysis and interpretation of mitochondrial DNA variants using WGS data

IGV Bash Freebayes

Mutect2 Mutserve HaplotypeCaller

Mity VEP ANNOVAR HmtNote

Jul-Aug 2019

Protein Structure Bioinformatics

CELL BIOLOGY RESEARCH CENTER · Montpellier, France 🏛

👤 A. Kajava ✉

Complex analysis of disease-causing impact of mutation through understanding protein structure

Bash BLAST

PyMOL HTML API

Jun-Jul 2018

Oncobioinformatics

ONCOUNITE · Moscow 📍

👤 D.Chebanov

App development for recognition carcinogenic SNPs in patients' DNA

Bash FastQC BioPython Pandas

Languages

English

★ ★ ★ ★ C1 IELTS 7.5

Russian

★ ★ ★ ★ C2 Native

German

★ ★ ★ ★ A2

Volunteer experience

Since 2021

Hotline & Database Worker, OVD-Info
Independent human rights media project

Since 2020

Creative Association Member, Tochka190
PopSci event-making, design, SMM
in Puschino scientific center

2018 – 2019

Volunteer for the Homeless,
Moscow Community of Sant'Egidio