CV[1]

1. Surname **Name**

Mchedlidze	Gvantsa

2. Personal and Contact information

Personal E-mail address: gvantsa.mchedlidze@cern.ch
Work E-mail address:
gvantsa.mchedlidze@iliauni.edu.gegvantsa.mchedlidze@iliauni.edu.ge

3. Work experience [2]

Work Period	From - 05/2021 to -
Employer	OZORIX
Address of Employer	14b Shalva Nutsubidze st Tbilisi Georgia
Position	Data Scientist
Duties and Responsibilities	The projects with my participation at OZORIX, focused on building Kubeflow pipelines based on packages to solve different data science problems. I am working with GCP and Snowflake. My responsibilities are • Communication between development and different data scientist groups. • Taking part in code optimization including building different ML models and genetic algorithms; • Responsible for visualization creation of geolocation data, using Keplergl

1. *If* the *text doesn't fit* the *text* area attach a separate sheet as an appendix.
2. Fillable tables can be multiplied as needed

Work Period	From 01/2019 to - 05/2022
Employer	**High Energy Physics Institute, Of TSU**
Address of Employer	9 University Street Tbilisi Georgia
Position	**Scientific Researcher**
Duties and Responsibilities	Study of ATLAS sensitivity to top quark rare decays via Flavour Changing Neutral Currents (LHC, CERN) • Performed complex statistical operations on collected data. • Within Athena framework, software applications, statistical approaches, and mathematical algorithms were built to support research requirements. Used ML models for signal and background separation. • Results presented in ATLAS Top properties group meetings.

Work Period	From - 09/2018 to - 12/2020
Employer	TBC Banck
Address of Employer	7 Kote Marjanishvili street, Tbilisi Georgia
Position	Data Scientist
Duties and Responsibilities	The main focus of the project placed on anomaly detection in different registry files and databases. As data sources were used Sysmon events were collected from employee computers on the local cluster. From the information security department, my responsibility was: • Data quality monitoring and collaboration with Big Data Environment Development Group. • Design and develop anomaly detection systems using ML and DL models.

4. **Educational and scientific degrees**

Date	From - 09/2013 to - 10/2018
Institution(Faculty)	Georg-August-University, Goettingen (II Pysics institute)
Specialty	Particle Physics
Diploma/Certificate №	

Qaulification	PhD
Dissertation Title	Top quark physics at ATLAS experiment, LHC

Date	From - 09/2008 to - 07/2010
Institution(Faculty)	High Energy Physics Institute of TSU
Specialty	Particle Physics
Diploma/Certificate №	MH000327
Qaulification	Master of Science

Date	From - 09/2004 to - 07/2008
Institution (Faculty)	Tbilisi State University; Faculty of Exact and Natural Sciences
Specialty	Physics
Diploma/Certificate №	B 000320
Qaulification	Bachelor

5. <u>Additional educational courses/trainings</u>

Date	From - 02.2020 to - 06.2020
Insitution	Udacity
Training/Course Topic	Data Scientist Nanodegre
Diploma/Certificate №	https://graduation.udacity.com/confirm/VQCQZAKY

Date	From - 05.2017 to -01.2018
Institution	Udacity
Training/Course Topic	Data Scientist Nanodegre
Diploma/Certificate№	https://graduation.udacity.com/confirm/VQCQZAKY

6. Research papers published over the last ten years

Please enclose with the application form the list of the books you have edited or written (collective monographs)

- Results presented in ATLAS Top properties group meetings. The research using proton-proton collision data at s = 13 TeV collected by the ATLAS detector published as conference note ATLAS-CONF-2021-049
- Measurement of the W boson helicity fractions in the decays of top quark pairs to lepton + jets final states produced in pp collisions at √s= 8 TeV Phys. Lett. B762 (2016) 512
- Performance of b-JetIdentification in the ATLAS Experiment JINST 11P04008 (2016)
- A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at √s = 7 TeV JHEP 1209 (2012) 139

7. Participation in scientific conferences over the last ten years

Please attach it to an application form.

8. Grants received from scientific projects over the last ten years.

Please attach it to an application form.

9. Lecture courses conducted at Georgian and foreign Universities over the last ten years.

Course name	University
Exploratory Data Analysis	Ilia State University

10. Computer programs

C
C++
Python
SQL

11. language skills (write in the appropriate boxes: native, C1, B2, B1, A2)

Language	Reading	Writing	Listening	Speaking
Georgian	native	native	native	native

English	C1	C1	C1	C1

12. The additional information you would like to provide us.
