

PERSONAL INFORMATION



Farrukh Ismoilov (M. Sc. RWTH)

 Tashkent, Uzbekistan

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Gender Male | Date of birth 4 September 1996 | Nationality Uzbek

EDUCATION AND TRAINING

2019–2021

Master of Science in Physics

[RWTH Aachen University, Germany](#)

- Faculty of Mathematics, Computer Science and Natural Sciences

- Experimental Particle Physics

- Thesis title: "Study of the Lorentz-boosted Higgs boson decay to charm quark-antiquark pairs in association with a vector boson at the CMS experiment"

2015–2019

Bachelor of Science in Physics

[National University of Uzbekistan, Tashkent, Uzbekistan](#)

- Faculty of Physics

WORK EXPERIENCE

04/04/2022-Present

KPMG Caspian Region

[World Trade Center, 107-B Amir Temur Street, Tashkent, Uzbekistan](#)

Technology Consulting / Consultant 2

- IT strategy development for leading bank

- IT Audit

- Big Data

- Information Risk Management

Technology Consulting / Consultant 1

- IT audit for leading bank and IRM support for Audit engagements - Analysis of data flows, existing systems/applications, IT architecture, best practices in this area and suggestion of ways to optimize and automate them; - Participation in development of Digital strategy, IT strategy, IT architecture, system design/architecture, functional requirements and technical documentation; - Analysis of IT processes and their maturity level using IT standards and methodologies, proposing ways of their improvement

Summer 2019

JINR Summer Student Program

[International Intergovernmental Organization, Joint Institute for Nuclear Research, JINR Russia, 141980, Dubna, Moscow region, Joliot-Curie st., 6](#)

Associated Member of the Personnel

– GRID Computing, Data Analysis at the CMS Experiment

– Project title: "Measurement of the angular coefficients in Z-boson events using muon pairs on generator level at $\sqrt{s} = 13$ TeV with the CMS Detector"

Summer 2018

CERN Summer Student Program

[European Organization for Nuclear Research, CERN
Esplanade des Particules 1, 1217 Meyrin, Geneva, Switzerland](#)

Associated Member of the Personnel

- Data Analysis at the CMS Experiment at the LHC (Large Hadron Collider)
- Project title: "Kinematic distributions of the Drell-Yan process in the electron channel in association with Jets"

COMPUTER SKILLS

Operating Systems Windows, Linux OS, Mac OS

Languages Python
C++ (experience with ROOT only)
Fortran
SQL

Applications Microsoft Office, Libre Office, LaTeX, Maple, Wolfram Mathematica

Experience with ROOT (Data Analysis Framework)
RooStats / RooFit - based software tools used for statistical analysis within the Higgs PAG - Combine.
CMSSW (Compact Muon Solenoid Software)
Deep Learning (TensorFlow, Keras)
SSH (Secure shell), Bash (Unix shell), HTCondor (Batch System)
Github, Gitlab, Comet (ML)

LANGUAGES

Uzbek (fluent), Russian (fluent), English (advanced), German (intermediate)

SOFT SKILLS

Communication skills Management, mentoring, flexibility, organization, knowledge sharing

SCHOLARSHIPS & GRANTS

2019-2021 DAAD (Deutscher Akademischer Austauschdienst, German Academic Exchange Service)
2017-2018 NUUZ (Scholarship of National University of Uzbekistan for Excellent Studies)