

SKILLS AND COMPETENCIES

Toolkit:

- *Programming:* C/C++, DPC++; CUDA; Alpaka; Intel oneAPI; Python; SQL; Fortran; Julia; Perl; UNIX/shell scripting; HTML
- *Machine learning:* PyTorch; Keras/QKeras, TensorFlow; XGBoost; scikit-learn
- *Quantum circuits:* Stim, Cirq, Qiskit; quantum error decoding algorithms
- *Scientific/statistical software:* NumPy, pandas, scipy, Minuit/iMinuit, Jupyter notebooks, Mathematica, R
- *High-performance computing:* HTCondor, SLURM grid computing; CVMFS, HDFS, and Ceph
- *Software development platforms:* GitHub, GitLab, CI/CD usage, debugging tools
- *Documentation:* LaTeX, Microsoft Office products, Adobe products
- Various other statistical analysis and simulation tools

Other competencies:

- *Languages:* Turkish (native), English (expert), German (intermediate), Spanish (beginner)