Nikita Davydov

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- PROFESSIONAL SKILLS
  - During my bachelor studies, I familiarized myself with research methods such as:
    - Mechanochemical Synthesis using Planetary Ball Mill Retsch PM400:
    - X-ray Diffraction Analysis (DRON-4) with Phase Analysis Software (SPECTRUM, PHAN, PHAN%).
    - Mossbauer spectroscopy (MC1104Ем).
    - Magnetic Properties Measurement using vibration sample magnetometer (VSM-250).
    - *Ab Initio* Calculations with VASP Program Package (Density Functional Theory).
  - Strong self-learning and research skills developed through university studies.
  - Skills of working with databases via MySQL.
  - Advanced skills in MS Excel, Word, and PowerPoint.
  - Knowledge of SQL, Python and C# programming languages.

EDUCATION

Bachelor of Materials Science and Engineering **Moscow, Russia**
The National University of Science and Technology (MISIS). Sep 2019 – Jun 2023

- **GPA:** 4.82 / 5.
- **Relevant courses:** Methods of Materials Research, Physical and Mechanical Properties of Solids, Metal Corrosion and Protection, Crystallography, and others.

Additional professional training:
"Tools for the development of engineering applications" **Moscow, Russia**
The National University of Science and Technology (MISIS). Sep 2022 – Jun 2023

- **Relevant courses:** Fundamentals of programming and algorithmization, MySQL database administration basics, Engineering and scientific calculations in Python.

MSc of Materials Science and Engineering **Moscow, Russia**
Skolkovo Institute of Science and Technology (Skoltech). Sep 2023 – Present

RELEVANT PROFESSIONAL EXPERIENCE

Advanced Research Institute of Inorganic Materials named after A. A. Bochvar (VNIINM ROSATOM) **Moscow, Russia**
Intern Jul 2022 – Aug 2022

- Investigated the impact of thermomechanical treatment on INCONEL-718 alloy structure alterations during austenitizing.
- Performed annealing and hardening processes on samples.
- Conducted metallographic analysis and microhardness measurements.
- Analyzed and interpreted experimental results.

AWARDS & QUALIFICATIONS

- Attended the 78th Days of Science NUST MISIS conference as a participant in the 'Future Materials' category, April 2023.
- I am passed to the final stage of the prestigious 'I am professional' Olympiad, in the 'Materials of the Future' category, a competitive event for students from Russian universities, 2022.
- Earned IELTS certificate with overall band score 7.5, December 2023.

REFERENCES

- Available upon request.