Daniel Ilin

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EDUCATION

Northeastern University, Boston, MA   Dec. 2021
BS in Mechanical Engineering
Minor in Mathematics
GPA: 3.5/4.0

WORK EXPERIENCE

LISEC GmbH, Seitenstetten, Austria   Jan. 2020 – Jun. 2020
Mechanical Engineer Co-op
- Created 3D models of over 100 machine configurations in PTC Creo for successful presentation in a commercial 3D machinery layout showcase.
- Brought AutoCAD drawings of machine parts up to date, ensuring their validity in accordance with the company standards.

AMAG Pharmaceuticals, Waltham, MA   Jan. 2019 – Jun. 2019
QA Engineer Co-op
- Decreased product report preparation time from multiple hours to less than a minute by programming VBA macros for processing product data in MS Excel.
- Took part in the GMP audit, providing the necessary data to the auditors upon request.
- Reorganized and kept track of the archival storage space. Filed over a 100 product complaints and SOPs.

PROJECTS

Passive Daytime Radiative Cooling in Shelters
- Implemented a pioneer PDRC cooling material in temporary shelters for refugees on prototype scale.
- Simulated airflow & radiative heat exchange within shelter in Ansys Fluent.
- Improved the method of manufacturing the PDRC material, resulting in samples 4 times larger than the original scale.

Combustion Engine Pressure Deformation Study
- Created the 3D geometry of the engine block of the combustion engine in SolidWorks.
- Established the factor of safety for the engine block experiencing gas expansion pressure using Ansys Workbench.

SKILLS

- **Engineering:** Ansys Workbench, SolidWorks, PTC Creo, MATLAB
- **Programming:** Swift, C++, SQL, Git
- Russian (Native), German (B1), English (Fluent)

INTERESTS

My other passion is music production. I produce and release music, privately teach music creation software and was a part of e-board of NUSound – Acoustical Society of Engineers. In my free time I enjoy outdoors sports and rock climbing.