Diyora Daminova

Aerospace and Software Engineer

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Boulder, CO 80303

PROFESSIONAL EXPERIENCE

Boulder, CO
May 2024 - Present

Aerospace Mechanics Research Center
Research Assistant for Multi-physics Optimization Research and Innovation System (MORIS)

- Create a graphical user interface for MORIS to enhance user experience and accessibility
- Optimize the MORIS software to improve performance, efficiency, and functionality
- Collaborate with a team of researchers and PhD students to identify and implement software improvements
- Conduct testing and debugging to ensure the reliability and accuracy of the software

Boulder, CO
November 2023 - May 2024

Integrated Teaching and Learning Laboratory
Apprentice in Prototyping

- Conduct maintenance and preventive operations on MarkForged printers, Objet 30 printers, and laser cutters
- Assist in creating workshops focused on laser-cutting, CAD modeling, and 3D printing
- Collaborate with ITLL supervisors to streamline prototyping processes
- Contribute to the integration of prototyping technologies into the daily operations of the Engineering Center

Boulder, CO
August 2023 - November 2023

Integrated Teaching and Learning Laboratory
Engineering Support Student

- Assist students with projects and offer guidance in engineering concepts and applications
- Conduct workshops to enhance students' skill sets
- Support experimental modules and troubleshoot technical issues
- Contribute to the ITLL's mission to provide a supportive learning environment for engineering students

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EDUCATION

Boulder, CO
January 2023 - Present

University of Colorado Boulder
Bachelor of Science, Major in Aerospace Engineering Sciences, Minor in Computer Science

Academic Lyceum of Westminster
High School Diploma in Database Operation Systems
September 2020 - July 2022

Tashkent, Uzbekistan
September 2020 - June 2022

ADDITIONAL INFORMATION

Technical Skills: C++, MATLAB, Python, Pascal, HTML, XML, CSS

Certifications: TechGirls Certificate in Power Electronics - U.S. Department of State (2021), UniSat Nanosatellites Skills - UNICEF (2021)

Relevant Coursework: Aerospace Computing and Engineering Applications, Experimental and Computational Methods, Introduction to Thermodynamics and Aerodynamics, Introduction to Statics, Structures, and Materials, Dynamics and Controls