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# RANO MARUFOVA

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## SKILLS

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- **Programming Languages:** Python: pandas, matplotlib, scikit-learn; JavaScript: React Native; SQL, Java, HTML, CSS
- **Software:** Microsoft Office: Excel, PowerPoint, Access; ArcGIS Pro, Figma Tableau, Canva
- **Personal:** Strong Work Ethics, Creativity, Punctuality, Leadership, Attentive Listener, Quick Learner
- **Natural Languages:** English, Russian, Uzbek

## EMPLOYMENT

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**GIS Student Analyst**                      **Washington College Geographic Information Systems (GIS) Program**                      February 2022 – December 2023

- Analyzed crashes and stops data on ArcGIS Pro for Maryland Highway Safety Office and leads the team of students on the completion of various analysis projects.
- Built a Python program to replace Excel operations and reduced the time-consumption and human-error factor of the analysis processes.

**Undergraduate Student Researcher**                      **Washington College Toll Fellowship**                      May 2023 - July 2023

- Applied Machine Learning Algorithms on simulated data from ATLAS to optimize background rejection and signal efficiency of Di-Higgs boson.
- Updated and populated the lab's website and ensured mobile responsiveness.

**Ideaworks Makerspace Consultant**                      **Washington College Ideaworks Lab**                      February 2022 - December 2023

- Guided students on various production techniques including audio and video production, 3D printing, and other facilities available within the makerspace.
- Assisted students with technical and creative elements to help them use makerspace to its full potential.

## EDUCATION

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**Washington College**                      **Chestertown, MD**

- B.S. in Computer Science and B.A. in Business Management, GPA: 3.87
- STEM GPA: 4.0
- Minor: Data Science
- Relevant Coursework: Software Engineering, Machine Learning, Database Systems, Design and Analysis of Algorithms, Theory of Computation, Managerial Statistics, Object-Oriented Programming, Financial Analysis
- Thesis: Bitcoin: Critical Analysis of Decentralized Monetary System

## LEADERSHIP AND ACHIEVEMENTS

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**Libby and Douglass Cater Society**                      **Junior Fellow**                      February 2022– Present

- Received \$5k grant to conduct research with a professor on developing a cross-platform application for lower-class Computer Science students to learn Python
- Attends bi-weekly research presentations of Junior Fellows on the processes and results of their projects

**STEM Sisters Club**                      **Co-Founder and President**                      December 2021– Present

- Coordinates and facilitates professional development opportunities, such as workshops and networking events, to enhance members' knowledge and skills in STEM-related fields.
- Created a supportive community of women inspired to collaborate and work together. Promoted the club and its activities through outreach and communication efforts, including social media, flyers, and club fairs.
- Trained members to take programming classes by discovering their potential through introductory workshops

**William B. Johnson Internship Fund (2022)** - became one of 13 recipients of \$2.5k internship fund

**Omicron Delta Kappa(2022)** - the National Leadership Honor Society, recognizes and encourages superior leadership and exemplary character

**Washington College Dean's List (all semesters)**