ANA F. DALIPI

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PROFESSIONAL SUMMARY

Purdue Graduate student with a focus in Immersive Analytics and Data Visualization at the Computer Graphics Technology program. Has a strong mathematical background and is experienced with Data Science.

EDUCATION

MS in Computer Technology, May 2021
Purdue University, West Lafayette, IN
Current GPA: 4.00/4.00

Bachelor of Mathematics, May 2019
Minor in Software Engineering
Baldwin Wallace University, Berea, OH
GPA: 3.86/4.00

SKILLS

- Creative Problem Solver and Skilled Organizer
- Experience with SQL, R, MATLAB, and UNIX
- Experience with Unity and Maya
- Skilled in Python, Java, and C#
- Microsoft Windows, Office, and Excel proficient
- Experience with HTML and CSS

EXPERIENCE

Data Mine Rolls-Royce Graduate Intern   August 2020 - Current
Purdue University | West Lafayette, IN

- Use data science and data visualization to predict when aircraft engines will need servicing.
- Focus on algorithm development.
- Provide leadership and guidance to other undergrad members of the project.

Graduate Teacher Assistant   August 2019 - Current
Purdue University | West Lafayette, IN

- Help students to advance their spatial abilities in order to successfully communicate their engineering ideas using visual techniques.
- Educate students on how to become proficient with CAD software like CATIA and NX 12.0, as well as PLM platforms like Aras.

Virtual Reality Pedestrian-Autonomous Vehicle Interactions Benchmark Suite Researcher   March 2020 – October 2020
Purdue University | West Lafayette, IN

- Created a virtually based simulation for pedestrian-AV interactions using Unity and the NAVMESH System.
- In charge of the Traffic and Road System logic.
- Developed interactable UI interfaces for the car models.
- Contributed on the writing and publishing of "VR-PAVIB: The Virtual Reality Pedestrian-Autonomous Vehicle Interaction Benchmark" research paper for the ACM Conference on Automotive User Interfaces and Interactive Vehicular Applications, 2020.

NASA Space Academy Research Intern   June 2018 - August 2018
NASA Glenn Research Center | Cleveland, OH

- Worked on the Bio-Inspired Solar Electric Propulsion Investigation team.
- Acquired data of hydrophobic and hydrophilic plant structures using scholarly journals.
- Organized and defined variables that affect hydrophobicity using data analysis and Excel.
- Modeled data for optimal hydrophobic surfaces using R studio.
- Focused on machine learning.

WEBSITE LINK

HTTPS://ANAFDAL.GITHUB.IO/RESUME