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*University of Maryland Baltimore County*

Starting Fall 2024

- Intended major: Computer Science w/ Machine Learning concentration

*Relevant Courses:*

- Google's Machine Learning Crash Course
- Leetcode's Data Structures

INTERNSHIP, ROBOTICS, & PROGRAMMING EXPERIENCE

*FIRST Robotics Challenge (Competitive Robotics)*

*Newton<sup>2</sup> – Fairfax, VA*

Summer 2022 - Summer 2023

*Flamangos – Rockville/Potomac, MD*

2019 - 2021

- Tuning computer vision pipelines using Limelight software (Python)
- Computer vision software for 3D robot navigation (Java)
- Controller input reading and command programming (Java)

*Languages:*

- Java, Python, JavaScript (Node, React), MongoDB

*Projects:*

- Used GPT API to implement GPT-3.5 into google docs for text generation, summarization and enhancement capabilities (JavaScript, GPT 3.5 API)
- Landing Page: (HTML, CSS, JavaScript)
- Chrome Clone (Node.js, Express.js, Mongo.DB, JavaScript, and Docker)(In Progress)

*Professor Tom Goldstein – University of Maryland*

June 15 - November 1, 2023

- Wrote script in python to process YouTube's 8M dataset for training data for Novel View Synthesis Diffusion Models. (Python)
- Primarily performed data analysis on JSON files to ensure that the script's output was proportional to the original dataset's categorical layout (Python)

*Professor Iosef Vaisman – George Mason University*

June 15, 2023 - present

- Programming software for a novel method of 3d protein visualization using polygonal rendering of objects
- The software is being created using a synthesis of already existing programs JMol and PyHull

SOFT SKILLS

- Problem solve with cross-functional teams to troubleshoot, debug, and strategize
- Experienced in communication through Slack, Discord, and Trello
- Maryland Seal of Biliteracy in Russian
- Extensive experience using Docker and Anaconda for Python