EVAN Z WANG

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EDUCATION

University of Maryland, College Park   *May 2024 (Anticipated)*

Bachelor of Science in Computer Science   4.0 GPA
President's Scholarship recipient (merit-based)
Relevant Coursework:
 – Object-Oriented Programming 1 & 2, Intro to Computer Systems, Discrete Structures, Applied Statistics, Combinatorics and Graph Theory

Montgomery Blair High School   *June 2021*

Science, Mathematics, and Computer Science Magnet Program   4.76 Weighted GPA

SKILLS

Languages	**Python, *Java, JavaScript, MATLAB, **C++, R, *C
Frameworks	OpenCV, **NumPy, *pandas, *scikit-learn, Django, **PyTorch
	* *intermediate proficiency*, ** *advanced proficiency*
Tools and Software	LaTeX, Unity, Windows, Linux

RESEARCH EXPERIENCE AND PROJECTS

Deep Reinforcement Learning on Connect Games (self)   *July 2021 - Sept. 2021*

- Developed an environment to train reinforcement learning models to play "connect" games like Five-in-a-Row and Connect-4.
- Adapted approach from AlphaZero.
- Implemented training environment with Python (neural networks with PyTorch) and interactive web UI with JavaScript.

Monocular Depth Estimation with Mr. Quinn Z Shen (remote)   *May 2020 - Oct. 2020*

- Built a self-supervised deep convolutional neural network architecture and training pipeline to predict a per-pixel depth map of a real image.
- Expanded on previous research and surpassed state-of-the-art performance through the effects of different network architectures and color spaces.
- Implemented using Python (PyTorch).

Internship with Dr. Albert J. Fornace Jr. (Georgetown University Medical Center) *June 2019 - Aug. 2019*

- Performed data analysis on lipidomic and transcriptomic data.
- Used preprocessing techniques and machine learning classification algorithms like nearest shrunken centroids in Python.
- Obtained hands-on experience with fundamental biological laboratory procedures, like cell culture techniques.

AWARDS AND EXTRACURRICULAR ACTIVITIES

USACO Platinum division participant	*2019 - present*
Science Montgomery 2nd place (computer science division with depth project)	*2021*
Montgomery Blair Computer Team captain	*2020 - 2021*