

## EDUCATION

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### University of Maryland

Computer Science: Machine Learning and Math Minor

Gemstone Honors

GPA: 3.97

## EXPERIENCE

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### •AI Engineer

Radical AI

Present

New York

- Developing ReX: A AI Tutor that develops curated learning experiences
- Leveraging OpenAI, Gemini, and LangChain frameworks to deploy AI applications
- Perform data collection and preprocessing for model consumption
- Prompt engineer to refine model interactions

### •Research Intern

American University

2022

DC

- Created ML model that classifies misinformation in tweets at 97% accuracy
- Created comprehensive visualizations of different trends about the data
- 1st Place in Behavioral Sciences Category from Washington Academy of Sciences

### •Bitcamp Hackthon

University of Maryland

2024

College Park

- Built an app that aggregates clothes from different sites in an engaging format
- Won 2nd place in Cloud Force Prompt-A-Thon

### •Student Aide/Tutor

Montgomery Blair High School

2022-2023

Silver Spring

- Gave 1 on 1 lessons to students
- Constructed and taught a multi-week lesson

## PROJECTS

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### •E-commerce ML Recommendation Pipeline

In Progress

- Pipeline that streams data and organizes it for model consumption
- Created online and offline ML architectures to batch train and keep content fresh

### •Soccer ML Analysis System

Completed

- Computer Vision model to detect and track the ball, players, and referee
- Tracks and calculates different movement stats for each player

### •Tennis ML Analysis System

Completed

- Computer Vision model to detect and track tennis ball and players
- Built model to detect key points on court and identify when the ball goes out of bounds

### •Clothing Web Scraper

Completed

- Scrapes and compiles clothes from different websites

## TECHNICAL SKILLS

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**Languages:** Python, Java, C, HTML, CSS, JavaScript, React, React Native, C#, Kotlin, STELLA, Dr. Racket

**Software:** Linux VM, Git, Excel, Photoshop, Unity, PowerPoint, Autodesk Inventor, Blender

**Coursework (Sciences):** Data Science, Computer Graphics, Intro to Networking, Algorithms and Data Structures, Analysis of Algorithms, Guided Research, Intro to AI/LISP, Software Design, Optics, Quantum Physics, Neuroscience

**Coursework (Mathematics):** Linear Algebra, Multivariable Calculus, Differential Equations, Statistics

**Coursework (External):** CS50x (Edx), HTML5 and CSS3 from Scratch (freeCodeCamp), Supervised Machine Learning: Regression and Classification (Coursera), Deep Learning Specialization (Coursera)