# Aidan Mitchell

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## WORK EXPERIENCE

**US Navy - Naval Surface Warfare Center, Carderock Division**                  Bethesda, MD
Machine Learning Engineer Intern                  May 2024 – July 2024
- Developed anomaly detection tools, reducing resource waste through enhanced data analysis.
- Implemented state-of-the-art algorithms for timeseries classification, improving data accuracy.
- Conducted analysis on naval research data to provide ongoing support in future experiment quality.
- Tested submarine models for correct mounting and usable sensor data; adjusted model configurations with attention to detail to ensure data integrity.
- Worked with multiple teams of technical experts to ensure algorithm optimality.

**Kennesaw State University**                  Marietta, GA
Graduate Teachers Assistant                  January 2024 – May 2025
- Provided students with tailored feedback, recommendations, and growth opportunities while teaching and mentoring them in Data Structures through targeted teaching strategies, contributing to their academic development.
- Assisted the professor in adjusting assignments for clarity and student success.
- Supported other teacher assistants in providing students with helpful, personalized, timely feedback on assignments and grades.

**Kennesaw State University**                  Marietta, GA
VEX Robotics Club Vice President                  August 2022 – May 2023
- Developed and implemented autonomous robot routines with optimized control loops, enhancing route efficiency by 50%.
- Coordinated and led weekly club meetings and mentored club members in mechanical and software robotic implementations.
- Successfully competed in international robotic competitions, securing 2nd place in international autonomous rankings.

**Georgia Tech - Klaus College of Computing**                  Atlanta, GA
Programming Summer Camp Counselor                  May 2019 – August 2019
- Taught K-12 students programming projects with drones, Minecraft, Roblox, Arduino, and more.
- Simplified programming basics like loops and conditionals, enhancing student understanding.

## EDUCATION

**Kennesaw State University**                  Marietta, GA
Masters of Science in Computer Science – AI specialization                  August 2024 – May 2025
    GPA: 4.0; Dean's 4.0 Club

**Kennesaw State University**                  Marietta, GA
Bachelors of Science in Computer Science                  August 2020 – May 2024
    GPA: 3.75; Magna Cum Laude; President's List; Dean's List

## UNIVERSITY PROJECTS

**Deep LSTM Neural Stock Price Movement Prediction Forecasting**                  June 2024
- Developed a hybrid LSTM-FFNN model for short-term stock forecasting, showcasing skills in financial data analysis and problem-solving.

**Residual LSTM Connection Single-Image Depth Estimation**                  December 2023
- Developed an innovative depth estimation approach integrating LSTM with a double hourglass CNN, addressing challenges in single-image depth prediction, reflecting problem-solving abilities and experience in applying AI to complex visual data.

## ADDITIONAL

**Awards:** HPCC Systems – Spring Hackathon 2nd Place, BlackRock – Summer Ideathon 2nd Place

**Technical Skills**: Python, Julia, MatLab, Java, C++, R, Tensorflow, Keras, PyTorch, Numpy, Pandas, OpenCV, matplotlib, React, HTML, CSS, HuggingFace, Robotics Control Algorithms, Version Control, GitHub, Word Processors, Slack, Artificial Intelligence, Machine Learning, Advanced Algorithms, Software Engineering, Machine Vision, Natural Language Processing, Neural Networks, Deep Learning, DOD Secret Clearance, PID