

NADA STOJANOVIC

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EDUCATION

Lehigh University, Bethlehem, PA

B.S. in Computer Science and Engineering

September 2021 - May 2025

GPA: 3.90

Bootham School, York, United Kingdom

September 2019 - May 2021

A level Maths, Further Maths, Physics, Psychology and EPQ

Grades: A* A* A* A* A*

TECHNICAL PROJECTS

Self-Driving RC Car

June 2022 - Present

- Use Raspberry Pi 4 and Python to train a behavioral cloning and a reinforcement learning model using Keras, PyTorch and TensorFlow, and implement them in a remote-controlled toy car.
- Perform visualization and analysis of the model using TensorBoard and matplotlib.

Save Tuba Mobile App Development, **Lehigh University**

January 2022 - December 2022

- Develop a gamified mobile application for teaching children in Almaty, Kazakhstan about sustainability and lead app development efforts in React Native.
- Work closely with Almaty Management University and the Kazakh Ministry of Education while aiming to integrate the app into the Kazakh primary school curriculum.

EXPERIENCE

Data Analysis Manager at Taylor Gym, **Lehigh University**

June 2022 - Present

- Use Excel in combination with R for pre-processing, data analysis, and visualization to create informative reports and metrics.
- Work directly with the Assistant Athletic Director for Campus Athletics and participate in decision making in regards to operational planning, gym hours, and staffing.

Teaching Assistant in Applied Engineering Computer Methods, **Lehigh University**

January 2022 - Present

- Oversee two sections of 30 students each and answer questions about programming in Python
- Facilitate weekly robotics labs and assist students in programming robots with Raspberry Pi.

Grader for Introduction to Programming, **Lehigh University**

August 2022 - Present

- Help facilitate weekly lab sessions and assist students with Java classwork.
- Grade weekly homework assignments for a section of 20 students.

RELEVANT COURSEWORK

- Programming: Data Structures & Algorithms (Java), Systems Software (C/C++), Data Science (R), Programming Language Implementation (Rust), Robotics (RaspberryPi), Machine Learning Algorithms
- Mathematics: Calculus, Discrete Math and Algorithms, Linear Methods

SKILLS

- Languages/Frameworks: Java, Python, C++, C, Rust, R, HTML, CSS, JavaScript, jQuery, React, React Native, Three.js
- Machine Learning: PyTorch, Keras, scikit-learn, TensorFlow, TensorBoard, Algorithms and Model Evaluation

HONORS & AWARDS

Ruhr Fellowship, **University Alliance Ruhr**

June 2023 - July 2023

- Gain practical experience in Machine Learning by completing a research internship with a focus on unsupervised anomaly detection at the Institute of Production Systems at TU Dortmund.
- Participate in an immersive German language and cultural experience.

Full Student Scholarship, **HMC Projects**

September 2019

- Received a full scholarship worth £60,000 per year, covering tuition, room and board at a private boarding school in the UK.

ACTIVITIES

International Voices Magazine, **Lehigh University**

August 2022 - Present

- Serve as a web designer and developer, and collaborate with the editorial team to design and develop a visually appealing and user-friendly website for the publication.
- Maintain the website to ensure that it remains up-to-date and functional, and work closely with other members of the club to promote cultural exchange and awareness on campus, including organizing events and workshops for the Lehigh community.