NADA STOJANOVIC

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EDUCATION

Lehigh University, Bethlehem, PA — September 2021 - May 2025
B.S. in Computer Science and Engineering — GPA: 4.0

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 — September 2019 - Present
- Used 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.
- Performed visualization and analysis of the model using TensorBoard and matplotlib by extracting data from 10000+ images.

Save Tuba Mobile App Development, **Lehigh University** — January 2022 - Present
- 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 for data cleansing, data analysis, and chart manipulation to manage large datasets, and create 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.

Web Development Intern, **Urivi Vikram Charitable Trust** — June 2020 - August 2021
- Worked directly with the Director of Organizational Development on updating the website and fixing bugs.
- Lead the redesign of the website which resulted in a traffic increase of over 35%.

RELEVANT COURSEWORK

- Programming: Data Structures and Algorithms (Java), Systems Software (C), Databases (R), Robotics (Python and RaspberryPi)
- Mathematics: Calculus, Discrete Math and Algorithms, Linear Methods

SKILLS

- Languages/Frameworks: Java, Python, C++, C, HTML, CSS, JavaScript, jQuery, React, React Native, Three.js
- Machine Learning: PyTorch, Keras, Numpy, Pandas, TensorFlow, TensorBoard

ACTIVITIES

Junior Academy, **New York Academy of Sciences** — September 2017 - July 2020
- Collaborated with a global network of STEM students on innovation challenges.
- Designed and prototyped solutions to global issues ranging from sustainability to health.

GirlsWhoCode, **EducationUSA** — December 2018 - May 2019
- Volunteered in teaching 15 young girls coding in Scratch.
- Translated instructions and materials from English to Montenegrin as the organizers only spoke English.

AWARDS

Full 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.

'Future of Buildings and Cities' Challenge Finalist, **New York Academy of Sciences** — April 2018
- Team finalist in a challenge concerning environmentally responsible urban buildings sponsored by United Technologies.
- Received $5000 funding for further project development.