Hubert Stanowski

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PERSONAL PROFILE

I am a highly motivated Computer Science student interested in software engineering with focus on artificial intelligence. I have experience working independently as well as a part of a team and I am eager to contribute to challenging projects and apply my skills in a dynamic development team.

EDUCATION:

Trinity College Dublin - **Integrated Computer Science** | September 2023 - present

GPA: 87% | Expected graduation date: May 2027

Completed modules:

- Introduction to Programming (**Java**)
- Introduction to Computing (**ARM Assembly**)
- Digital Logic Design
- Statistical Analysis

High School XVII in Gdynia - Microsoft Showcase School | September 2019 - May 2023

PROGRAMMING EXPERIENCE:

- **Pomeranian High School Hackathon 2022 - 1st place**: in a team of 5 created a prototype of a green cryptocurrency that would be awarded to houseowners in exchange for supplying the power grid with excess electricity generated from renewable sources.
- **Pomeranian High School Hackathon 2021 - 2nd place**: in a team of 5 created a prototype of a mobile app that would simplify calling emergency services and provide callers with instructions as well as localization and ETA of first responders.
- 6.00.2x: Introduction to Computational Thinking and Data Science (**Python**) – **MITx** certificate
- CS50AI: Introduction to Artificial Intelligence (**Python**, **Tensorflow**) – **HarvardX** certificate
- CS50x: Introduction to Computer Science (**Python**, **C**) – **HarvardX** certificate

PROJECTS:

- Neuroevolution in Snake | **Python** - Implemented genetic algorithm **NEAT** from scratch for the Snake game with ability for users to simulate up to 20 generations and visualize how the neural network changes over time
- Neuroevolution in FlappyBird | **Python** - Implemented genetic algorithm **NEAT** from scratch for the FlappyBird game with ability for users to see the state of the neural network and how sensors of the agents see the environment
- Pathfinding Visualizer | **Python** - Developed a tool for visualizing pathfinding and maze-generating algorithms on customizable graphs
- Sorting Visualizer | **Python** - Developed a tool for visualizing sorting algorithms on customizable arrays

SKILLS:

- **Programmming languages:** Python, TypeScript + React, Java, C
- **Other:** Git, VS Code, SQL, MS Excel
- **Language Proficiency:** English (C2), Polish (Native)