Maksymilian Siekliński

770-763-1688 | maksymilian.sieklinski.2@gmail.com

EDUCATION

University College London   Sept. 2024 – June 2027
Bachelor of Science, Computer Science   *Great Britain, London*
- Predicted **first class honors.**

V High School in Cracow   Sept. 2020 – Apr. 2024
                                                                           Poland, Cracow
- GPA **5.55**, in 1-6 scale.
- **Top 1%** in Poland from all my extended level subjects: math,physics and computer science. (**A*A*A*** equivalent)

PROJECTS

Emotion recognition software *(C++)*   May. 2024 – Aug. 2024

- Created machine learning model, based on Neural Network, that could recognize emotions from a human face.
- Application was written from scratch, without the use of any external libraries.
- Achieved 86% accuracy when tested against 3000 test images.
- The application can help socially awkward or disabled people interact with others.

Trojan horse system *(C++, SFML)*   Dec. 2022 – Feb. 2023

- Created windows application that creates zombie computers.
- It runs in the background and starts itself every time computers boots.
- Zombie computers spy on everything user is doing and send that information to my server.
- Developed another app to manage all zombie computers, and send commands to execute on them.

Network penetration testing *(C++, SQL)*   Feb. 2023 – March. 2023

- Used SQL injection technique to penetrate and gain access to my schools website. (With their permission)
- Performed DDOS attack from zombie computers to shutdown website. (With their permission)
- Updated and secured my schools website, to make it invulnerable to those kinds of attacks.

Matchmaking algorithm *(C++)*   Jan. 2022 – Feb.2022

- Developed algorithm that matched people on dates for valentines day based on a question survey.
- It was efficient enough to run on the group of 1000 people, providing everyone with 3 different candidates.
- The program is already two years in use, and will be helping student council in the future.

COMPETITIONS & AWARDS

Top 5 in Poland in group competitive programming contests, where i was captain.

Top 10 in solo competitive programming contests.

Top 20 in Poland in Physics competition.

Top 50 in Poland in Computer Science Olympiad.

Top 50 in UK & Ireland Group Programming Contest for University students.

Top 100 in Poland in Math competition.

LEADERSHIP

Captain of competitive programming team for 3 years.

Member of a student council for 2 years.

SKILLS & LANGUAGES

Programming Languages: Advanced C++, C#, Python, SQL, Bash and C.

Algorithmic knowledge:Centroid decomposition, Heavy-Light Decomposition, FFT and Aho-Corasic to name a few.

Languages: Native Polish(C2) and English(C2).