Tomek Horszczaruk

EH8 8AB, 246/3 Canongate, Edinburgh, United Kingdom

07871 342640 | tkhorszczaruk@gmail.com | GitHub | LinkedIn

Date of birth: 27-11-1998

Profile

I am a positive and responsible person, always willing to learn new things and overcome new challenges. I like meeting new people and helping them when I see they struggle with something more than I do. Gaining more and more knowledge and accommodating in new conditions have never been really hard for me. As a student, I am looking for a summer internship that will give me the opportunity to develop myself as a person, gain lots of new professional experience and perfect my team work and communication abilities.

Education

SEPTEMBER 2017 - MAY 2022 | MASTER OF ENGINEERING (CURRENTLY THIRD YEAR) | THE UNIVERSITY OF EDINBURGH

- Program: Electronics and Computer Science
- Relevant courses: Introductory Applied Machine Learning, Informatics Large Practical, Algorithms and Data Structures, Computer Systems, Software Engineering, Object-Oriented Programming, Data and Analysis, Digital System Design, Engineering Software (embedded programming), Signals and Communications Systems, Probability, Engineering Mathematics

SEPTEMBER 2015 - MAY 2017 | INTERNATIONAL BACCALAUREATE AT COPERNICUS BILINGUAL HIGH SCHOOL IN WARSAW

- Higher level: Mathematics, Physics, English

Skills

GENERAL:

- Team work and work under pressure
- Desire to learn and develop
- Problem solving and out of the box thinking
- Communication
- Improvisation (when needed)

TECHNICAL:

Mathematics:

- Advanced calculus (including vector calculus)
- Statistics
- Probability
- Linear algebra
- Discrete mathematics

Electronics:

- Digital and Analogue Systems design
- Signal analysis (Fourier series, Fourier transform)

Informatics
- **Languages**: Java, C, Python, MIPS Assembly, MATLAB, R, Bash, JavaScript, HTML, CSS
- **Frameworks:** Angular, React.js, Spring Boot
- **Tools:** Apache Maven, Git, Eclipse, Visual Studio Code, IntelliJ
- Algorithms and data structures: sorting – [quick, merge, heap, insertion], searching, hashing, AVL trees, queues, heaps, complexity analysis, graphs – [DFS, BFS, topological sorting]
- Machine learning: similarity measure, basic recommender systems, K-means clustering, statistical pattern recognition, Naïve Bayes, K-NN/Gaussian classification, single/multi-layer neural networks, linear/logistic regression, Support Vector Machines, Decision Trees
- Principles of software engineering: ability to gather requirements for software projects, analysing requirements, preparing documentation, UML diagrams, automation of tests (JUnit)
- Basic knowledge of database systems, writing code in SQL, XML

Languages

- English (highly proficient in speaking and writing)
- Polish (native)
- French (intermediate)

Work experience

JULY 2019 – SEPTEMBER 2019 | CITIBANK EUROPE:
- IT and Data Analysis Intern – worked on both backend and frontend of a web application, using Java Spring Boot and Angular

AUGUST 2018 – SEPTEMBER 2018 | LIONBRIDGE POLAND:
- Software QA tester

JUNE 2018 – AUGUST 2018 – IMMUNITY SYSTEMS:
- PCB project for an electronic device used in cybersecurity area

Extra-curricular activities

HAVING A YOUTUBE CHANNEL | 2014 – PRESENT
- About 8 years ago I picked up playing electric guitar. For a couple of years now I've been having a guitar-oriented YouTube channel where I keep posting different videos, varying from covers to my own compositions.

PLAYING FOOTBALL | 2005 – PRESENT
- Since my early childhood I have been playing football as it has been my favourite sport. I used to play for my local team, then also represented my school in many competitions. Since the start of previous academic year I'm a member of University of Edinburgh Engineering Football Team.

Hobbies

- Electric guitar
- Movies
- Martial arts
- Car racing