# Szymon Spiesz

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***Portfolio:*** https://szymonspieszportfolio.wordpress.com/

***Code samples:*** https://github.com/szymonspiesz

## EDUCATION & QUALIFICATIONS

**University of Leeds** – MSc High-Performance Graphics and Games Engineering (Pass)      2019 – 2020

*Modules*:

- Foundation of Modelling and Rendering,
- Parallel and Concurrent Programming,
- High-Performance Graphics,
- Geometric Processing,
- Game Engines and Workflow,
- Animation and Simulation

*MSc Project*: "Self – Illuminating Explosions" – physics-based model of explosion and illumination technique.

**University o Bradford** - BSC Computer Science (First-Class Honours)      2016 - 2019

1st Year:

- Computer Architecture and System Software (78%),
- Formal Foundations (60%),
- Developing Personal Skills (78%),
- Software Development (67.5%),
- Fundamentals of Internet Technology (54%)

2nd Year:

- Software Engineering with Group Project (85%),
- Database Systems (51%),
- Computer Communications and Networks (87%),
- Data Structures and Algorithms (68%),
- Symbolic and Declarative Computing and Artificial Intelligence (79%),
- Computer Architecture and System Software 2 (67%)

3rd Year:

- Neural Networks and Fuzzy Systems (72%),
- Final Year Project (71%),
- Foundations of Cryptography (71%),
- AI for Games (69%),
- Software Verification (67%)

*BSc Project:* "Polygon Triangulation" – application for drawing and triangulation of convex polygons.

**Konarski Secondary School** - Oswiecim, Poland                    2013 – 2016

Extended curriculum in Mathematics, computer science, and geography.

Equivalence of GCE A Levels:

- Mathematics (92%),
- Polish (56%),
- basic English (100%),
- extended English (74%)


## TECHNICAL KNOWLEDGE AND SKILLS

- C++
- OpenGL
- GLSL
- Good grounding in 2D, 3D graphics theory and math
- OO Programming
- Python
- Java


## WORK EXPERIENCE

**Python Software Developer**                    May 2019 – July 2019
University of Bradford

- Created PostgreSQL database for storing real life, large medical dataset.
- Created an interactive Python application for pulling the data from the database and displaying it in graphs depending on the user's choices.
- Worked in a small team, reported progress to the supervisor and discussed future tasks during weekly meetings.


**Software Developer**                    Dec 2017 – Apr 2018
University of Bradford

- Created a web application for City of Bradford Metropolitan District Council for monitoring IoT data
- Worked with other software developers to meet the requirements given by the client.


## REFERENCES

- Dr Hamish Carr, MSc Project supervisor:                    Email: H.Carr@leeds.ac.uk
- Dr Ci Lei, BSc project supervisor                    Email: C.Lei1@Bradford.ac.uk