Jakub **Gałat**

COMPUTER SCIENCE STUDENT

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Education

WUT(Warsaw University of Technology)   *Warsaw, Poland*

B.S. IN COMPUTER SCIENCE AND ENGINEERING   *Sep. 2018 - current*

- Member of student science club GameDev - Polygon.
- Member of student science club AI/ML - Golem.

Skills

Programming	C, C++, Haskell, JavaScript, Java, SQL, Python
Languages	Polish, English
Tools	Git, Unity, Blender

Experience

BSc Thesis   *Warsaw, Poland*

DEANN (PYTHON, KERAS)   *Dec. 2020 - current*

Thesis is about Differential Evolution Algorithm using Artificial Neural Network as a surrogate model for loss function approximation. I am implementing it in Python using Keras API.

Kodarium club   *Stalowa Wola, Poland*

PRACTISING PROGRAMING SKILLS WITH MENTOR (JAVASCRIPT)   *Jun. 2017 - Sep. 2017*

Genetic Triangles - program that generates images from random triangles using a genetic algorithm. It was the first major project I created with a partner using Git version control tool. We showed it to the public at "CID days", an event that embraces our city's tech roots.

DisBomber   *Warsaw, Poland*

GAME DEVELOPMENT PROJECT (UNITY, C#)   *May. 2019*

DisBomber - game where you have to click on green exploding spheres and avoid touching the black ones. It was a successful attempt to create a well-structured, playable app.

File system   *Warsaw, Poland*

STUDENT PROJECT (C)   *Dec. 2019*

A student project focused on teaching us how file system works. I implemented VSFS and learned a lot about file systems organisation, and segmentation.

Functional Images   *Warsaw, Poland*

PROJECT (C++)   *Feb. 2020*

A project in C++ that focused on lambdas and functional programming in C++. The main idea behind this project was to represent bitmaps as functions, where Point (pixel) is a parameter.

Communicator "Multicom"   *Warsaw, Poland*

PROJECT (JAVA)   *June. 2020*

Communicator (server and client side) with simple GUI that allows users to connect with people on other platforms like Discord and Telegram. It was devised in a small group of three colleagues, each of us responsible for another part of the project. I worked on integration of our system with other platforms.

Awards

2020   **Scholarship**, Chancellor's Scholarship awarded to the top 8% of students for their respective field of study   *Warsaw, Poland*