



JAKUB DZIARNOWSKI

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PROGRAMMING

JavaScript



Python



Java



Haskell



C++



HTML and CSS



MySQL



ABOUT ME

I graduated from City, University of London with a First-Class BSc degree in Computer Science. I'm actively seeking job opportunities in programming, backed by my excellent academic performance. My skill set includes object-oriented and functional programming in languages like Java, JavaScript, Python, and Haskell, as well as experience in database management with MySQL. I have hands-on knowledge of both back-end and front-end development, showcased in my multiplayer browser-based game dissertation project. I'm eager to apply my expertise and passion for programming in a professional setting.

RECENT PROJECTS

For a comprehensive overview of my projects, including the following ones and many more, I highly recommend visiting my portfolio at Dziarnowski.github.io

WEB-BASED TACTICAL CARD GAME

Programming languages: **JavaScript, HTML, CSS**

Other technologies: **Node.js, Phaser 3, Socket.io**

- Card game for two players available to play in a web browser.
- Application follows server-client architecture with node.js responsible for the server side and Phaser as the game engine on the client's side.

DATABASE DRIVEN APPLICATION "GARITS"

Programming languages: **Java, MySQL**

Other technologies: **FlatLaf, iTextPDF, VisualParadigm**

- Team project of 5 students
- Managing application for the imaginary car shop
- The application allows to collect and store customers' details, generate invoices in PDFs and schedule car services.


NEURAL NETWORKS


Programming languages: **Python**


Other technologies: **PyTorch, Numpy, Pandas**

- University project consisting of three parts:
 - Creating a fully parameterizable NN class without the use of libraries like PyTorch or TensorFlow.
 - Implementing convolutional NN using PyTorch for image recognition of a Fashion-MNIST dataset.
 - Developing NN predicting the possibility of rain in Australia based on meteorological data

RELEVANT SKILLS

-  Languages:
- Polish - native
 - English - fluent
 - Spanish - beginner


 Advanced knowledge of Photoshop and MS Office

 Variety of soft skills including time management, problem-solving, adaptability and interpersonal skills

INTERESTS

 **Polish Society**
Finance officer and co-founder of Polish Society at City, University of London

 **Aviation**
Private Pilot Licence (PPL)

 **Lacrosse**
Former player of Kosynierzy Wrocław - multiple Polish champion, former member of the Polish Youth National Lacrosse Team

EDUCATION HISTORY

BSc (Hons) Computer Science

City, University of London
September 2020 - July 2023
Result: First Class Hons - 76.47%
Some modules with final grades:

- Programming in Java - 94.7%
- Web Development and Databases - 78.2%
- Programming in C++ - 99.1%
- Object-Oriented Analysis and Design - 82.4%
- Programming and Mathematics for AI - 73.0%
- Functional Programming - 96.1%

International Baccalaureate (IB)

International High School of Wrocław
September 2018 - July 2020
Result: 39/45 Points
Subjects taken:

- Higher level:
 - English, Mathematics, Physics
- Standard level:
 - Polish, Economy, Geography

CERTIFICATIONS

 **Scientific Computing with Python**
Institution: freeCodeCamp.org

 **Responsive Web Design**
Institution: freeCodeCamp.org

 **JavaScript Algorithms and Data Structures**
Institution: freeCodeCamp.org