

Emmanuel Katwikirize

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🏠 Warsaw, Poland

Work History

Oct 2023 – Jan 2024

📌 **Software Development Intern**

Faculty of Mathematics and Information Science, WUT

Education

Oct 2020 – Feb 2024

📌 **BSc., Warsaw University of Technology**

Computer Science and Information Systems

Grade: 4.5

Sep 2017 – Jun 2019

📌 **Cambridge CIE A Levels**

Grade: AAB (*Equivalent: 4.7*)

Skills

Programming/Scripting

📌 C, C++, CUDA, Java, C#, Rust, Python, Shell, GNU Make

Web Development

📌 HTML, CSS, JavaScript, TypeScript, Node.js, React, Next.js, Gatsby, Spring Boot, Rocket.rs, REST APIs

Containerization/DevOps

📌 Docker, Dockerfile, Docker Compose, Github Actions

Databases

📌 SQLite, MySQL, JDBC, Diesel ORM, PostgreSQL

Version Control

📌 Git CLI, GitHub

Graphics Programming

📌 Java Swing, WinAPI, WinForms, WPF, OpenGL, GLFW, WebGL, three.js

Languages

📌 English - Fluent
Polish - Intermediate
French - Intermediate

Misc.

📌 \LaTeX typesetting, Documentation, Doxygen, DaVinci Resolve Studio, FL Studio, Interpersonal Communication, Collaborative Inclination

Summary

Ambitious, fast learner, with a proven track record. Thoroughly qualified to be a Junior Developer.

Primed to go above and beyond to contribute to creative problem solving at Your Company.

Collaborative personality, bolstered by a growth-based, continuously learning mindset.

References

Available On Request

Projects

Frontend Development

[HPC-GPU Programming Group's Site](#)

TypeScript, React, Gatsby,
CSS, Markdown, Shell, Docker

[Hex2048 Game Demo](#)

React, CSS, TypeScript, Jest Testing, API Consumption

Fullstack Development

[Aircraft Booking System](#)

TypeScript, Node.js, React,
Maven, Spring Boot, REST API

[Flatly](#)

Maven, Spring Boot, REST API, MySQL, Azure

Graphics Programming

[WebGL Demo](#)

WebGL, three.js

[Image Editing Apps](#)

C#, .NET, WPF, Computer Graphics

[Realtime GPU Raycasting](#)

CUDA, OpenGL, GLFW, Computer Graphics

Low-level/Embedded

[LED Memory Game](#)

C, Embedded Systems, Raspberry Pi, Buildroot, GPIO

[Multithreaded Game Server](#)

Multithreading, Synchronization, TCP,
Network Programming, C

[Controlling LEDs using Hardware Interrupts](#)

Embedded Systems, Texas Instruments,
DKTM4C123G Dev Board

[Systems Programming Tools](#)

C, GNU Make

Other

[OIOIOI@PW Deployment](#)

Docker, Shell, Django, System Configuration

[JSX PR](#)

Shell, Open Source

[Containerization/CI](#)

Docker, Dockerfile, Docker Compose

[Docker-Helper Script](#)

Shell, Linux

[Windows Server Docs PR](#)

Documentation, Open Source