Christoffer **Aakre**

Software Engineer

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Competence

Programming languages	Rust, C++, C, Assembly, Python, Typescript, Javascript, CSS, HTML, C#, Java, Lua, Bash, GLSL
Frameworks	React, Next, Yew, PyTorch, Unity, Godot, OpenGL, Vulkan
Key knowledge	Machine learning, Data analysis, Web development, Low level programming, OS kernel development, Compiler development, 3D rendering, Game engine development, Game development, Linux systems administration, Penetration testing
Mathematics	Multivariate calculus, ordinary/partial differential equations, calculus of variations, statistics, linear algebra, probability theory, group theory, discrete mathematics, complex analysis, numerical methods
Operating systems	Linux, Windows

Formal Education

2019-2022 Physics BSc at Queen Mary University of London. Graduated with First Class Honours.

Languages

English	●●●●●
Norwegian	●●●●●
Japanese	●●●●○

Projects

WeLD 2021-2022

github.com/aephil/WeLD

Javascript framework for running and real-time visualisation of molecular dynamics simulations in the browser

Javascript

MIGAKU MPV 2022

github.com/migaku-official/migaku-mpv

Plugin for the MPV video player to assist in language learning

Python

OPEN-OAK 2022

github.com/christofferaakre/open-oak

2D Game engine based on OpenGL

Rust OpenGL

JAPANESE-EBOOK-ANALYSIS 2022

github.com/christofferaakre/japanese-ebook-analysis

Tool to analyse Japanese ebooks and determine difficulty of reading for non-native speakers

Python MeCab

Find more projects at my github: github.com/christofferaakre

References

Dr Anthony Phillips

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