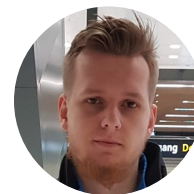


# Christoffer AAKRE

## 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

<b>WELD</b> <a href="https://github.com/aephil/WeLD">github.com/aephil/WeLD</a> Javascript framework for running and real-time visualisation of molecular dynamics simulations in the browser Javascript	2021-2022
<b>MIGAKU MPV</b> <a href="https://github.com/migaku-official/migaku-mpv">github.com/migaku-official/migaku-mpv</a> Plugin for the MPV video player to assist in language learning Python	2022
<b>OPEN-OAK</b> <a href="https://github.com/christofferaakre/open-oak">github.com/christofferaakre/open-oak</a> 2D Game engine based on OpenGL Rust OpenGL	2022
<b>JAPANESE-EBOOK-ANALYSIS</b> <a href="https://github.com/christofferaakre/japanese-ebook-analysis">github.com/christofferaakre/japanese-ebook-analysis</a> Tool to analyse Japanese ebooks and determine difficulty of reading for non-native speakers Python MeCab	2022

Find more projects at my github: [github.com/christofferaakre](https://github.com/christofferaakre)

## REFERENCES

### Dr Anthony Phillips

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