

# Chris Fleetwood

Software Engineer

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## 🔗 Experience

### Huggingface

Machine Learning Engineer

- > Continued development of web-first ML framework within the HF ecosystem.
- > Worked on pushing CoreML forward, reverse engineering parts of the Apple stack.

January 2024 – Present  
London, UK

### Ratchet.sh

Founder

- > Designed and implemented a web-first ML framework from scratch capable of running Whisper & BERT.
- > Deep optimization of GPU kernels for maximal performance.
- > 1.7k+ stars & featured on Github Trending.

June 2023 – January 2024  
London, UK

### TrueLayer

Rust Backend Engineer - Core Banking

- > Project lead on payment reversal handling. My design resulted in an 85% reduction in on-call pages.
- > Took ownership of our stack, 2nd most paged engineer out of hours during my tenure.
- > Maintained and owned our systems during a 13x increase in TPV to £2B in a single quarter.

April 2022 – June 2023  
London, UK

### J.P Morgan

Associate Software Engineer - Research Distribution

- > Received accelerated promotion to Associate within 12 months, achieved by the top 5%.

September 2020 – March 2022  
London, UK

### UEA Laboratory of Personalised Medicine in Dementia

Research Assistant

- > Implemented an NLP pipeline to quantify medication side effects using 5+ million FDA medication profiles.
- > Managed numerous students in thesis writing and experiment development.

June 2020 – July 2021  
Norwich, UK

### J.P Morgan

Software Engineer Intern

June 2019 – August 2019  
Geneva, CH

## 🎓 Education

### University of East Anglia

BSc. Computer Science - First Class (79%, 4.25GPA)

2017 – 2020  
Norwich, UK

## ⚙️ Skills

**Languages:** Rust, JavaScript, Python, etc.

**Frameworks & Tools:** React, Typescript, Git, Vim

## 🧪 Projects

### WGPU

- > Explored high performance matrix multiplication using WebGPU in [my benchmark suite](#).
- > Implemented parts of the WebGPU specification in [#3636](#) & [#3603](#).

## 📄 Publications

### A multi modal approach for diagnosis of cognitive impairment

Presented OHBM '21

- > Presented our work on novel feature fusion of multiple brain imaging modalities to diagnose pre-dementia.