Chris Tomy

✉ work@cyberchris.xyz   ⤴ https://cyberchris.xyz/

▬ WORK EXPERIENCE

G-Research

Software Engineer   Sep 2022 — Now

- Developing and deploying algo services to 20+ co-located datacenters, monetizing the trading platform within Research Engineering (ResEng).
- Owning and delivering challenging migrations as part of the Core Colo Engineering team, relocating services that live across 20+ Kubernetes clusters, 80+ VMs and 400+ physical machines.
- Maintaining stability of the algo trading stack, debugging issues in our messaging stack (Kafka and Aeron), service discovery (Consul), and deployment (ArgoCD, or our in-house service lifecycle for physical machines).

Software Engineer Intern   Jul 2021 — Sep 2021

- 12 week internship as a software engineer in the Realtime Quant Tyburn Tactical team in Research Engineering.
- Built an ASP.NET web app using the Blazor UI framework to provide views into the development pipeline of a crucial monolithic application required for trading. This includes the state of regression tests and live production instances of the app.

Department of Computer Science, UCL

Programming Tutor   Oct 2020 — Mar 2021

- Supporting first year undergraduates in developing their skills in four programming languages (C, Haskell, Java and Python).

Softwire

Software Developer Intern   Jul 2020 — Aug 2020

- 8 week summer internship as a software developer. Worked with a 100k+ LOC codebase on a multiplatform (with Kotlin and Swift) mobile app; production code for an app that had 110k+ downloads.
- Developed a supporting static site built with the React + Gatsby framework, to onboard users.

▬ EDUCATION

University College London (UCL)

Computer Science, BSc (Hons)   Sep 2019 — Jun 2022

- First Class Honours.
- Made the UCL Engineering Dean's List for strong academic performance.

A-levels

Maths (A*), Further Maths (A*), and Computer Science (A*)   2017 — 2019

▬ Publications

Tomy, Chris, et al. "Modus: a Datalog dialect for building container images." Proceedings of the 30th ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering. 2022. https://doi.org/10.1145/3540250.3549133

▬ SKILLS

- Programming Languages (in order of expertise) — Python, C#, Bash (scripting), Java, Rust
- Cloud Native Development — Docker, Kubernetes