joseph.coppin@gmail.com Ely, Cambridgeshire, UK

Joseph Coppin

Software Engineer and 3rd-year Computer Science undergraduate at University of Warwick with multiple Internship experiences (Stripe, AVEVA) and strong full-stack and systems engineering experience.

SKILLS

Web Development (TypeScript, Svelte, React.js) • **Systems** (Rust, C++, C, x86-64 Assembly)
DevOps (Linux, Bash, Docker) • **DBMS** (MySQL, PostgreSQL) • **Cloud** (AWS, Vercel)

Stripe — Software Engineer **Intern** — *2025*

Ruby (Sorbet), Java, Online Payments, Data Processing

Enabled customer analytics for Nordic payments markets by integrating MobilePay and Vipps with the Stripe Sigma, in this 12-week summer internship.

AVEVA — Software Engineer **Intern** — *2024*

C#, TypeScript, React.js, Storybook, Windows, Visual Studio, Microsoft Azure

Modernized legacy code to improve UI responsiveness and reduce technical debt, by rewriting the front end of a customer-facing web app (DataLayer) from Razor to React, in this 10-week summer internship in Cambridge.

Jumptech — Software Engineer **Intern** — *2022, 2023*

TypeScript, GraphQL, AWS Lambda, AWS CloudWatch, Storybook, AWS DynamoDB, Jest, Angular, Jira, Jenkins

Enhanced backend stability by resolving bugs in AWS Lambda/DynamoDB and increased code coverage by writing automated Jest tests. After work experience in 2022, I returned to this Silicon Fen startup for a 6-week internship in 2023.

Que Me Citen — **Freelance** Web Developer — *2023*

HTML, JS, CSS, UnoCSS, Gmail, Google Domains

Created the portfolio website for the Spanish translation service QueMeCiten.com.

World Cube Association — **Volunteer** Software Engineer — *2022 – 2023*

JavaScript, React, Ruby on Rails

Migrated legacy Ruby on Rails codebase to React, reducing tech-debt and improving UX, while volunteering on the open-source WCA website.

Everywhen — **Personal Project** — *2021 – Current*

SvelteKit, TypeScript, MySQL, Tailwind, Playwright & Vitest (40,000+ lines of code)

Built Everywhen, an end-to-end encrypted journaling web app, with timezone support and location-based analytics. Implemented a custom encrypted blind index to enable privacy-preserving analytics.

Oxynium — **Personal Project** — *2022 – 2025*

Rust, x86 Assembly, Bash (20,000+ lines of code)

Designed and implemented the open-source compiler for my statically typed programming language Oxynium in Rust, which aims to enable high level abstractions without sacrificing runtime performance. Key features: strong type system with generics, first-class & lambda functions, macros, classes with operator overloading.

EDUCATION & OTHER

- Predicted 2:1 (68%) for undergraduate degree at University of Warwick (UoW);
- Social secretary of UoW Badminton Club ‘24-25;
- Team player for UoW Table Tennis Club ‘24-25, member of UoW Climbing Club Competition Team ‘25-26;
- A Levels: Achieved **A* A* A* A** in **Computer Science, Physics, Maths and Further Maths** respectively;
- Competitive Programming: achieved 57 points in the TCS **Oxford Computing Challenge** 2022, distinction and gold;
- A Level **coursework**: open-source house point management web app, used by students and teachers.

Find out more about me: josephcoppin.com • github.com/revers3ntropy • linkedin.com/in/joseph-coppin