James Baw

Curriculum Vitae

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Experience

Haskell Rust Zig Python Bash
JavaScript CSS HTML C#

Jolly Sailor Brewery

Period Jan 2023 - Jan 2023
Title Chef / Waiter

Sheffield Hallam University

Period Oct 2025 - Present
Qualification BSc (Honours)
Computer Science

Projects

Type Inference

An attempt at true ad-hoc polymorphism in functional programming languages, with efficient type inference and possibly entirely static dispatch.

[See more](#)

GitEhr

An open-source electronic health record specification and reference implementation, written in rust.

[See more](#)

Interests

Linux

My personal machine runs Arch Linux, and I previously have used Ubuntu, Debian and NixOS. I am familiar with Unix commands, Bash, and the general workings of a Linux-based operating system.

Functional Programming

I enjoy the mathematical elegance of FP languages, and informally study FP and related fields including the lambda calculus, type theory and a bit of category theory.

Bouldering

Sheffield is a hotspot for bouldering in the UK, which is one of the reasons I chose to study here. I currently climb around v7.

Cooking

Predominantly in the styles of Spanish, Maghrebi, Turkish/Greek Levantine, and Southeast Asian cuisine. Among my favourite dishes are Paella, Spanish Omelette and Shakshuka.