Harrison James Ling

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Deeply determined individual with proficient problem-solving and communication skills.

Education

University of Sheffield
Current

Computer Science Undergraduate

Key First Year Modules: Java Programming: 82%, Introduction to Software Engineering: 77%, Machines and Intelligence: 74%, Introduction to Algorithms and Data Structures: 82%

The Sixth Form College Colchester

A-Levels: *Computer Science: A, Mathematics: A, Physics: A*

Experience

Software Development
Feb 2025 - June 2025

Reply Cortex

Head of communications in developing a mock application for Reply Cortex. We worked on a Kanban board that took meeting transcripts and through the use of an LLM was able to return instructions to change the board according to meetings.

Engineering You're Hired
Feb 2025

Sheffield University

This was a university led project that allows students to work with different disciplines across engineering. We were assigned into random teams of 6 and told to produce a solution. Our teams specific topic was **"AI Solutions in Engineering"**. Our team over the course of a week planned out and presented our idea of a translation app that makes use of trained LLMs that are trained especially to focus on correctly translating engineering jargon.

Global Engineering Challenge
Jan 2024

Sheffield University

Worked in a **multidisciplinary team**, involving both remote and in person communication. Proposed a solution for renewable energy in Pu Ngaol, Cambodia whilst confined to a budget and environmental variables. Our team received a **distinction mark**

Kitchen Porter
Sept 2023 - Present

Mash and Barrel

Worked as part of a professional kitchen team akin to a French Brigade system where I produced food in an acceptable timescale to ensure efficient service.

Projects

AIChat

Makes use of multiple API's to allow the user to communicate to different AI LLMs within the same application. Constructed of a python back-end to communicate with the API's and a JavaScript front-end.

MyneCraft

I started this project to learn how to prompt and work better with AI/LLMs. I used an IDE called Cursor to ask questions about the project and advise any issues I had. The project itself makes use of a ThreeJS library to load a 3D world where you can break and place blocks.

Formula Tracker
A place for all formula one results. This is a project inspired by my passion and love for the sport. It makes use of an API to request the up to date data of the different championships (even ongoing ones). I made use of React to put the website together.

Bubble Sort Visualizer
A simple JavaScript project using the p5 library. This was one of my very first creations. It uses vertical bars to show how bubble sort sorts items into the correct order.

Technical Skills

Languages (Programming): Java, JavaScript, Python, Ruby, Haskell
Frameworks: Spring Boot, Sinatra, Ruby on Rails
Other Skills: SQL, Git, HTML, CSS