

# Harrison James Ling

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*Deeply determined individual with proficient problem-solving and communication skills looking for a 2026 graduate position.*

## Education

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**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%

**Key Second Year Modules:** Automata Computation and Complexity: 82%, System Design and Security: 81%, Functional Programming: 81%, Logic In Computer Science: 71%, Software Hut: 73%

**The Sixth Form College Colchester**

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

## Experience

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**Software Development** Feb 2025 - June 2025  
*Reply Cortex*

**Head of communication** in developing a mock application for Reply Cortex as part of Sheffield Software Hut. 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

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**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**

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**Languages:** Java, JavaScript, Python, Kotlin, Ruby, Haskell

**Frameworks:** Spring Boot, Sinatra, Ruby on Rails

**Other Skills:** SQL, Git, HTML, CSS