

# Harrison Ling

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*Deeply determined individual with proficient problem-solving and communication skills looking for a summer internship.*

## Education

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### University of Sheffield

Current

*Computer Science Undergraduate*

Important 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

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### 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 LLM's 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

### Peak District Prose

Sept 2023 - June 2024

A University led group project that made use of Agile software engineering principles to produce software from a set of requirements from a "client". The project was an online library where users signed up to be a "reader" or "writer" and could post or read books online in exchange for currency.

### Kitchen Porter

Sept 2023 - Present

Work as part of a team of chefs alike a French Brigade to produce food in an acceptable timescale to result in an effective service.

## Projects

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### AIChat

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

### 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 (Programming):** Java, JavaScript, Python, Ruby

**Languages (Spoken):** English (Native), German (very basic, learning)

**Frameworks:** Spring boot, Sinatra, Ruby on rails

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