

James Luong

jamesluong@hotmail.co.uk ♦ +44 7821 747879

jluong23.github.io/blog

London, UK

Skills

Languages:

- ♦ Proficient with Python, C#, Java, JavaScript, HTML, CSS and L^AT_EX.
- ♦ Familiar with C++, Haskell, SQL and Ruby.

Technologies:

- ♦ Proficient with MERN Stack, Git, Unity and Linux (WSL).
- ♦ Familiar with Ruby on Rails, Sinatra, ASP.NET MVC and MySQL.

Education

University of Sheffield

September 2019 - July 2022

Computer Science BSc.

2:1, 67.4%

♦ *Dissertation Project:*

First Class, 70%

- **Title:** Accessing External Image Assets within a Virtual Reality System.
- **Research:** Evaluating existing methods for interacting with VR interfaces and querying image collections, using Nielsen's usability heuristics.
- **Outcome:** A VR interface was developed for accessing images by Google Photos API and OAuth2.0. Built with Unity and XR Interaction Toolkit.

♦ *COM3420 Software Hut Project:*

Team Project Winner

- **Task:** Group project, developing a software system for client business requirements.
- **Contributions:** Front-end design. Formatting data into tables, summary pages and cron jobs emails using HAML.
- **Outcome:** A Vehicle Management System was developed for University of Sheffield Fleet Management, tracking MOT and safety test dates for vehicles. Built using Ruby on Rails.

Six 21, London

September 2017 - June 2019

A Levels in Computer Science, Mathematics and Physics.

A, A, B

♦ *Extended Project Qualification (EPQ):*

A*

- **Title:** Are top-level chess engines capable of human intellectual capacity?
- **Description:** Analysis of algorithms used in chess engines, using Searle's Chinese Room Thought experiment as a test for human intelligence.

Experience

Action Tutoring

October 2019 - March 2020

Volunteer Maths Secondary School Tutor

- ♦ Tutoring GCSE level Mathematics at local secondary schools in Sheffield once a week.
- ♦ Planning personalised lesson topics for each student.
- ♦ Developed communication and teaching skills, explaining my thought process to students.

School 21 IT Department

October 2018 – February 2019

Year 13 Work Experience Programmer

- ♦ Setting up Windows operating systems and peripherals on new computers around the school.
- ♦ Developing an absence request system for staff members on the school intranet using ASP.NET MVC.

Projects	Task / Todo Tracker	September 2022
	<ul style="list-style-type: none"> ◇ Full Stack CRUD project for managing tasks. ◇ Filter function for resolved tasks and different task categories. ◇ User authentication and login system via JSON Web Tokens (JWTs). ◇ Built using MERN stack, styled with Tailwind. 	
	Personal Blog / Portfolio	July 2022
	<ul style="list-style-type: none"> ◇ Displaying blog posts reflecting on personal experiences and showcasing personal projects. ◇ Using Python scripts with RegEx to format past WordPress HTML blogs into JSX and React components. ◇ Built with React and styled components. ◇ Hosted on GitHub pages at jluong23.github.io/blog. 	
	Shopping Cart Project	July 2022
	<ul style="list-style-type: none"> ◇ A fictional shopping page for selling album records. ◇ Provides a daily song using Moment.js and the Spotify API. ◇ Built with React and hosted on GitHub Pages. 	
Hobbies	Chess	
	<ul style="list-style-type: none"> ◇ University of Sheffield Chess Team Captain (2021-2022). ◇ Organising fortnightly matches in the local South Yorkshire League, communicating with local chess club organisers. ◇ 1848 ECF rating. 	
	Distance Running	
	<ul style="list-style-type: none"> ◇ Participating in BUCS and South Yorkshire Leagues with University of Sheffield Athletics Club. ◇ Organising a sixth form 'Festival of Miles' event, leading weekly track sessions for students and staff members in preparation. ◇ Sheffield Half Marathon 2021 in 1:35. ◇ Currently training for Richmond Marathon, September 2022. 	
	Climbing	
	<ul style="list-style-type: none"> ◇ V4-V5 bouldering, developing problem-solving skills. 	
References	<p>Dr Steve Maddock (UG Dissertation Supervisor) Senior Lecturer in Computer Science University of Sheffield Regent Court, 211 Portobello S1 4DP Email: s.maddock@sheffield.ac.uk</p>	