

## Robert Haynes

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### Experience

#### Jaguar Land Rover

Gaydon, UK

#### Undergraduate Software Engineer

July 2023 – July 2024

- Developed data pipelines to automate manual tasks giving time back to customers, saved 50hrs week total
- Created a full stack web app with ReactJS, SQL and Flask to feed vehicle data to users
- Created tools that improved the efficiency of the team by 70% and 99% on cost
- Developed virtual PyDriveSim environments to test virtual autonomous vehicles in Nvidia DriveSim

#### StudyDrive

Manchester, UK

#### Student Brand Ambassador

November 2022 – December 2022

- Promoted the platform to students and increased the user base by 250 users in one month
- Organized and hosted on-site promotions to increase brand awareness and user engagement
- Created and managed social media content to generate leads

### Projects

#### Arbitrage Finder

Manchester, UK

#### Python & Full-Stack Web App

Jun 2023 – Current

- Python script that fetches odds from bookmakers and calculates arbitrage opportunities
- Feeds verified opportunities into a MongoDB database
- NextJS, and Tailwind CSS front-end web application to view the opportunities
- Flask API backend to allow users to fetch opportunities using REST

#### Hilton Meals App

Hilton, ZA

#### iOS App and Web App

Jun 2019 – Sept 2019

- Developed an iOS app and web app to allow students to view the daily menu
- Created a centralised backend with Firebase to store and retrieve data for both platforms
- Used by 550 students daily with kitchen adding meals weekly through the admin portal
- Awarded Sinclair Trust Prize for Entrepreneurship at the end of my matric year

### Education

#### University of Manchester

Manchester, UK

BSc (Hons) Computer Science w/ Industrial Experience

April 2025

Relevant Coursework: Web Development, Software Engineering, AI, Machine Learning, Data Science, Operating Systems, Computer Engineering, Visual Computing, Algorithms and Data Structures

#### Hilton College

Hilton, ZA

NSC Certificate (IEB)

December 2020

### Skills & Interests

**Languages:** English, Afrikaans

**Programming languages:** Python, Java, Swift, C, C++, HTML/CSS/JS, SQL

**Frameworks:** ReactJS, NextJS, Tailwind CSS

**Technologies:** Docker, GCP, Vercel, Git, JIRA, Tableau