Robert Haynes

CV1 1FD • Coventry • robhaynes0420@gmail.com • +44 7717 462481

Experience

JLR   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
- NextJS App Router back-end API 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