

# Harry Moore

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## Profile

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A highly driven and enthusiastic individual with a zeal for automation, design and innovation in the Engineering and Software Industries. Taking great pride in my strong motivation to develop as an all-rounded individual as well as my excellent interpersonal and communication skills. My unique to industry and varied skillsets have gained me a reputation for bringing value to a company, whether that's in designing an engineering product or developing & testing software for major corporations.

## Academic Background

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### *MEng Automotive Engineering, Loughborough University*

**2017 - 2022**

- Grade: Upper Second-Class Honours with Diploma in Industrial Studies (DIS).
- 4 Year Course with additional Placement Year between the 3<sup>rd</sup> and Final Year of Studies.
- Master's Thesis: 'Simulation of an E-bike to Investigate the Viability of Regenerative Braking' - 80% Grade. Produced an in-depth Simulink model for a fully tuneable simulation of an e-bike and cyclist. Complete with gear shifting, cyclist behaviour logic and compatibility with data imported from the Strava app.
- Final Year Group Project: 'Formula Student Aerodynamics' (73%)
- Extensive focus in coding during my final year, including developed and finetuned complex path planning and path following algorithms for a module on Autonomous Vehicles. Achieving a grade of 81%, it showcased the power of automation which I've since applied into other aspects of engineering and cloud.
- Impacted by the COVID-19 Pandemic in 2020 during my Third Year. Despite this I was determined to improve, achieving an average of 78% on all individually submitted and accessed work in my final year.

### *Pates Grammar School, Cheltenham*

**2015 - 2017**

- **4 A2 Levels:** Mathematics (A\*), Further Maths (B), Physics (B), Art (B)  
In addition to an Extended Project Qualification (A)
- **2 AS Levels:** Mathematics (A), Further Maths (A)

## Work Experience

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### *Kubrick Group, London | Cloud/Software Engineer Consultant*

**July 2022 - August 2024**

- Trained at Kubrick Group where I honed my expertise (with a focus in cloud) in multi-platform Scripting, Automation, DevOps pipelines, Docker, Kubernetes, and Infrastructure as Code using Terraform across Azure, GCP, and AWS.
- Placed at **Jaguar Land Rover** for a year and a half, contributing to a team tasked with developing software for the certification and homologation process. It was during a big period of change at JLR, as they transition to companywide cloud hosted applications to **streamline their workflow** and ensure a single source of truth (SSOT) for data. Initially this required frequent **stakeholder engagement** to assess inefficiencies in existing processes, aligning them with the new software's capabilities & learning what to adapt to match their requirements.
- Upon approaching the first prod deployment, work evolved into developing **test automation** scripts utilising BDP methodology and selenium. This required producing **python and feature file scripts** within their test suite, configuring ci-yaml and undergoing an extensive merge request process. Throughout my engagement with JLR, we adhered to **agile** frameworks, documenting tasks and progress using JIRA.
- These learnings have been applied outside of the workplace, coding automation scripts outside of work hours for automating lengthy google doc tasks, interacting with twitch's API and automating on-device file management.

- Undertook an extensive 7-day course on complete process required for **provisioning Databricks** within **Microsoft Azure**. Developing PR and CI/CD pipelines for managing code changes, creating & configuring Databrick workspace environments & infrastructure through terraform and setting up CI/CD development flow within Databricks workspace with Asset Bundles and Azure pipelines.

### *Unique Team Building, Australia | Project Design Engineer*

*October 2020 - September 2021*

- Due to travel restrictions during COVID, work was carried out remotely from the UK to Australia.
- Under the direct supervision with the company director to **research and design** a prototype camping system for the upcoming Tesla Cyber-Truck.
- Researched appropriate materials, solar panels technology, tent set up mechanisms and self-taught the 3D design application, Blender, to produce photorealistic renders of the concept ready for investors.
- Required **independency** and **organisational skills** due to the time zone difference, to forward plan work to carry out, reach the weekly deadlines and present the progress in 1-1 google meetings.

### *Two Front Teeth Photography, Cheltenham | Photo Editor and Framer*

*July 2014 - December 2019*

- Retouched family photos in Adobe Photoshop to be viewed by clients as well as running Facebook advertisements. This required **focus** and **efficiency** to edit large numbers of photos within **tight deadlines**.
- On weekends helped with the glass cutting and construction of the handmade frames, which demanded **precision** and **a high attention to detail** to ensure a perfectly fitting and dust free framed photo.
- Part time work alongside studies, requiring good **organisation** and **time management** skills.

## Key Skills

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- **Agile:** SDLC methodology
- **Scripting:** bash, Powershell, chocolatey
- **Infrastructure:** Linux and Windows, Networking, IAC Terraform & Ansible
- **Multicloud:** Azure, AWS, GCP – IaaS, PaaS, SaaS
- **Cyber Security:** Identity Access Management, Threat mitigation, Networking concepts and best practice
- **Provisioning and programming:** SQL, NoSQL, Docker Containers, Kubernetes, Python
- **DevOps CI/CD and Site Reliability Engineering:** Azure Devops, Git, Teamcity, Jenkins

## Additional Software Skillset

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- Proficient in the full **Microsoft Office suite**, used extensively since the start of secondary school and throughout university.
- Comprehensive use of coding and CAD software during University: **Matlab/Simulink** for simulation, **Siemens NX11** for ready for manufacture 3D models, **STAR-CCM+** for Aerodynamics and fluid flow, and **CES EduPack** for appropriate material selection. **Blender** was learnt during a placement year for 3D photorealistic models.
- In addition to using **Adobe Photoshop** whilst at Two Front Teeth Photography, it has been used outside of work hours in the creation of digital artwork for YouTube clients.
- Independently designed a 110-page hard back book with **Adobe InDesign** for a Twitch.tv client consisting of full colour pages with artworks, career timeline and custom postcard designs for community messages.
- Edited professional videos for some notable Youtubers using **Adobe Premiere Pro** and **Adobe After Effects**. This skillset was also used for producing software demo videos for Jaguar Land Rover.

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Referee list available upon request.

The statements made by me in this application are true to the best of my knowledge and belief.

Signed:  .....

Date: 30/07/2024