Morgan Clifford

UK Citizen | m.clifford1574@gmail.com | (+44) 7935932194 | LinkedIn: morgan-clifford| GitHub

EDUCATION

University of Birmingham   *Expected Graduation, May 2025*
Birmingham, England
BSc Computer Science (Hons)
- o **Concentrations:** Software Development and AI
- o **Predicted grade:** 1st Class Honors
- o **Related Coursework:** Data Structures & Algorithms, Full stack development, Object-Oriented Programming, Artificial Intelligence, Machine Learning, Neural Computation, NLP, Intelligent Software Engineering
- o **Dissertation project:** Developing an AI based personality adaptive framework for virtual assistant applications

EXPERIENCE

Plytol Ltd   **Gloucestershire, England**
Software Developer & Co-founder   *April 2023 - present*
- **Developed** various application interfaces in tech stacks such as **React.js** & **Flutter**
- **Developed** server programs in node.js for web and mobile applications
- Utilised **AWS** resources such as MongoDB atlas for efficient database management and access
- Liaise with clients to ensure deadlines and briefs are met to high standards
- Propose & negotiate client contracts and SLA agreements

AirDeska project - contracted through Plytol Ltd   **Gloucestershire, England**
Full stack developer   *August 2023 – August 2024*
- Developed a mobile application based upon client specifications and published to iOS and Android
- Utilised Flutter's cross-platform development architecture to create a mobile application for both iOS and Android to reduce development time
- Developed a Node.js server program to handle various user tasks within the application
- Used good design methodologies and clean UX to grow the company's user base by over 700% within 4 months of launch to app stores

PROJECTS

Task Management App   **Gloucestershire, England**
Solo developer   *November 2024 – December 2024*
- **Developed** a web application for small team task management using the **MERN tech stack**
- Integrated with MongoDB for authentication and storage

Mobile fitness App   **Gloucestershire, England**
Solo developer   *December 2024 – present*
- **Developed** a cross-platform **mobile application** that **enhances** diet management and fitness tracking.
- Used the Flutter framework for efficient development of the front end, as well as **node.js** and **MongoDB** for the backend

Student finance management App

Team leader
- Lead the development of a student finance management application as part of my group project at University
- Used **Angular** and **Spring Boot** frameworks to develop a **full stack application** with multiple components
- Lead team meetings and project discussions to **optimise** the teams performance and set out performance targets for team members
-

ACTIVITIES AND LEADERSHIP

Founded Plytol Ltd   **Gloucestershire, England**
Co-founder and software developer   *April 2023-present*
- In our spare time, myself and 2 others began Plytol as a platform to provide app and web based application developments to clients, after finding a passion for **Software Development** and wanting to take it further. Integrated with MongoDB for authentication and storage
- Work on independent projects as well as contracted projects
- Dividing workload and communicating well within the team to ensure deadlines are met and our work is produced to a high quality.
- Attending networking events to advertise our services and find areas we could improve upon.

University of Birmingham AI club   **Birmingham, England**
Member of the University's AI club   *March 2024 – June 2024*
- Actively participated in events to extend my knowledge base past the course directive and inspire areas of interest to influence my dissertation project.

Skills

Programming: Java, Python, JavaScript, TypeScript, HTML/CSS, SQL, Node.js, React.js, Vue.js, Dart

Tools: Xcode, IntelliJ, PyCharm, AWS, Jupyter Notebooks, Git, Spring Boot, Angular, Agile, Flutter