

# HARRY MCDONAGH

☎ 07939939885 | ✉ [harrymcdonagh82@gmail.com](mailto:harrymcdonagh82@gmail.com) | [linkedin.com/in/harry-mcdonagh-2a069b2a2](https://www.linkedin.com/in/harry-mcdonagh-2a069b2a2)

🔗 [github.com/harrymcdonagh](https://github.com/harrymcdonagh) | Portfolio: <https://harrymcdonagh-portfolio.vercel.app/>

## SKILLS

- Java, Python, JavaScript, HTML, CSS, React, Next.js, Git, SQL, Express, Node.js, C, C++, VBA

## WORK EXPERIENCE

### Horizone Ltd: IT Technician

02/2022 – 09/2022

- Resolved IT and telecommunications-related service tickets for customers, operating both individually and collaboratively within a team environment.
- Utilized VBA and a database to automate the invoice mailing process, significantly improving efficiency by eliminating the previously manual method.
- Administered Microsoft accounts for customers' employees, including tasks such as managing file and user permissions, creating and deactivating user accounts, and ensuring compliance with organizational policies.
- Acquired hands-on experience in implementing and troubleshooting network infrastructures within office environments.

## PROJECTS

### Cambodia Care:

06/2024

- Developed "Cambodia Care", an eco-tourism website with the goal of assisting people in Cambodia, based on the Engineers Without Borders 2024 challenge.
- Built the backend using Node.js and Express, implementing an MVC architecture, integrating a database with SQL, and using JavaScript to create login, register, and trip booking functionalities.
- Developed the front end with CSS, Express Layouts, and JavaScript, utilizing Express-Session for secure session management and dynamic page rendering.

### Voyage:

08/2024 – Present

- Developing Voyage, a web application focused on real time analysis of top cryptocurrencies using real-time prices and historical data.
- Utilized Next.js to build the backend, enabling efficient handling of API requests. Currently developing a login and registration system to allow users to track their portfolios and manage their watchlists.
- Developed the front end using React, Tailwind and shadcn/ui, to create a polished and professional UI.

## EXTRACURRICULAR & CERTIFICATIONS

### J.P. Morgan Software Engineering Virtual Experience on Forage

02/2024

- Set up a local development environment by downloading the necessary files, tools and dependencies.
- Fixed broken files in the repository to make web application output correctly.
- Used JPMorgan Chase's open-source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.

### IEUK 2024: Technology: Intern

17/06/2024 – 20/06/2024

- Engaged in employer-led workshops and hands-on tasks with leading companies like BT Group, CrowdStrike, and Lloyds Banking Group to develop skills in technology, coding, and innovation.

## EDUCATION

### University of East Anglia || Norwich, UK

September 2022 – July 2025

BSc Computer Science – **Second year grade: 67%**

**Relevant Coursework:** Data Structures and Algorithms, Software Engineering, Architectures and Operating Systems, Data Science, Systems Analysis, System Development, Database Systems, Object-Oriented Programming, UX/UI.