

Reece Turner

Software Engineer

✉ Reeceturner35@gmail.com

☎ +44763470820

📍 Bristol, United Kingdom

🌐 reeceturner.com

🌐 linkedin.com/in/reeceturner

🐙 github.com/xLightless

Profile

Aspiring Software Engineer, having achieved First Class Honours, with experience in developing complex applications, API integrations, and database design using technologies such as React, TypeScript and PostgreSQL. I am eager to take on challenging roles in a professional setting where I can apply my understanding of robust Software Development Life Cycles and contribute to effective team communication. With an analytical mindset, I proactively offer solutions and engage in collaborative problem-solving to drive project success.

Professional Experience

02/2022 – 05/2022 Weston-super-mare, England	Network Technician <i>Next Theme</i> <ul style="list-style-type: none">Configured a PowerEdge R360, on RAID 1, to support data storage over a LAN.Installed Ubuntu 16 and setup administrative accounts for the company to have role-based access controls.Assembled and configured 5+ legacy desktop PCs, installing Windows OS and necessary drivers; ensured seamless connectivity to the Server using Ethernet Cables and managed network switches.
01/2022 – 02/2022 Weston-super-Mare, United Kingdom	Software Developer <i>Space Bar</i> <ul style="list-style-type: none">Developed 3+ static websites as part of Weston College's student-led web development initiative; increased client retention by 14%.Deployed client sites on multiple DNS servers, secured using SSL certificates, to improve accessibility.

Education

2022 – 2025 Bristol, England	BSc Computer Science <i>University of the West of England</i> <ul style="list-style-type: none">Achieved First Class Honours
2020 – 2022 Weston-super-mare, England	BTEC Level 3 Extended Diploma, Computing <i>Weston College</i> <ul style="list-style-type: none">Attained a distinction grade of D*D*D

Skills

UI/UX Design	● ● ● ● ●	Version Control (CI/CD)	● ● ● ● ●
API Integration	● ● ● ● ●	Object-Oriented Programming (OOP)	● ● ● ● ●
Database Design	● ● ● ● ●	Project Management	● ● ● ● ●

Projects

2025 – 2025	Portfolio Website - ReeceTurner.com <ul style="list-style-type: none">Designed in Figma; then, implemented in React with TypeScript to reduce type errors during development and production.
-------------	---

- Deployed on Vercel to integrate redeployments on Git commits, streamlining information access.

2024 – 2025

Rapid Application Development Engine (RADE)

- Adhered to the Kanban Agile methodology to follow a logical process regarding requirements, design, implementation, and testing.
- Designed and implemented a low-code application platform using React with TypeScript and NoSQL databases; enabling non-technical users to build 10+ custom desktop applications, using the Agile RAD methodology.

2024 – 2025

Enterprise Machine-Learning-as-a-Service (MLaaS)

- Coordinated and implemented 11 Back-end APIs and microservices for managing Stripe payments, Twilio 2FA, JWT authentication, ML model predictions, and 30+ users.
- Led the implementation of Front-end pipelines to provide connectivity with the Back-end using Axios.
- Managed project workflows, utilising Atlassian Jira to coordinate sprint deliverables for 5 team members.

2023 – 2024

Artificial Intelligence - Genetic Algorithms

- Implemented a probabilistic algorithm to predict the best candidate within a genome pool over 250 generations.
- Authored a Grid Search Cross-validation (GCV) to determine optimal hyperparameters from Population Size, Generations, Mutation Rate, and Mutation Step.

2023 – 2023

Arduino R3 Communication Protocol

- Assembled hardware components on a breadboard, connecting an LED to a phototransistor, encoding light signals into hexadecimal values.
- Implemented an LCD display and a sensor to calculate the reflection of a soundwave from objects at distance.