

Louis Morgan

Freelance full stack developer with 1 year experience looking for permanent junior developer roles.

EXPERIENCE

SPACE POWER LTD, Freelance — *Full stack developer*

JANUARY 2022 - PRESENT

- Sole design and implementation of an advanced satellite simulation demonstrator website
- Optimized display of real time data alongside a scientifically accurate 3D interactive visualization
- Communicated effectively with client to achieve a close match between final product and their requirements
- Applied engineering knowledge to develop mathematical models for satellite power systems and orbits, taking user inputs to generate bespoke simulations
- Successfully integrated a variety of front end technologies to create a sophisticated user experience, including React, Three.js and D3.js

Various Projects, Freelance

FEBRUARY 2020 - JANUARY 2022

- Delivered a variety of freelance projects while self-teaching full stack web development
- Provided consultation to the technical and conceptual development of a projection mapping product for Special Needs Toys
- Performed in-depth concept research for a series of industrial decarbonisation events with Decarb Connect
- QA and UX testing to ensure consistently accurate results for a leading online mapping service with Lionbridge
- Professional transcription services with short turnaround times for Ubiquis

Smart Grid Forums, London — *Conference Producer*

JANUARY 2018 - NOVEMBER 2019

- Sole responsibility for P&L on £1m portfolio of highly technical international energy industry events
- Developed cutting edge conference programmes based on in depth research with leading utilities and technology providers
- Successfully engaged senior industry experts and secured their participation in events without financial incentives
- Responsible for all event related marketing copy, including full email campaign, technical editorials and commercial press releases
- Project management of up to 5 events at a time, briefing and coordinating sales, marketing and logistics teams
- Delivered launch events above target, as well as successfully growing established events by up to 50%

EDUCATION

University of Warwick — *BEng Systems Engineering 2:1*

SEPTEMBER 2013 - JUNE 2017

Modules included Computer Engineering, Engineering Business Management, Control Systems and Signal Processing. Final year project was feasibility analysis and simulation of a solar powered quadcopter.

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louismorgan.io (portfolio)

SKILLS

Languages - JavaScript, Typescript, Python, HTML, CSS, SQL, C

Frameworks - React, Node.js, Express, Jest, D3.js, Three.js, Bootstrap, Material UI, Chakra UI

Backend - AWS, MongoDB, Firebase

Tools - Git, Webpack, ESLint, Babel, VSCode

Learning - Clojure, Go, MySQL

Other skills - PC repair, Networking, CAD, Audiovisual technology

ACADEMIC AWARDS

University of Warwick Merit Scholarship - awarded to the best 30 applicants to Warwick's Engineering programme

ESF Chairman's Award for Academic Excellence - awarded for high achievement in International Baccalaureate results

Ely College Award for Academic Achievement - awarded for obtaining the best GCSE results in the year

INTERESTS

Audiovisual art - member of [Typething Collective](#), creating interactive audiovisual art

Music - play bass and guitar and produce electronic music

Travel - lived in 5 cities across 3 continents and visited over 20 countries

LANGUAGES

Native English

Conversational French