Luke Hancock

Skilled mathematician and educator driven by data to make great decisions. Confident communicator with the ability to digest and present information in a clear and concise manner. Creative in finding solutions to problems and determining efficient routes to completing tasks. Recently transitioned into web development through self-directed resources.

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Portfolio | GitHub | LinkedIn

SKILLS

Web Development Languages: HTML, CSS, JavaScript, React, Bootstrap, Tailwind, Redux, R

Version Control: Git, GitHub

Problem Solving: Strong analytical skills, critical thinking and mathematical skills that can be applied to coding

Other Relevant Skills: Data analysis, Data cleaning, Data visualisation, SQL, mentoring, communication, management

EDUCATION

BSc (Hons) Mathematics (1st class), University of Reading, September 2011 – July 2014

Web development certifications, freeCodeCamp, July 2023 – May 2024

Google Data Analytics, Coursera, March 2022 – January 2023

RELEVANT PROJECTS

Frontend Projects – A mixture of client and personal projects made with React and using either vanilla CSS or tailwind. The websites were designed using Figma before being built and deployed on Netlify. Some projects have custom domains registered and therefore required DNS redirecting as well as sitemaps and google search registration to help with SEO.

Login page – A Personal project using React, Express, Tailwind and MongoDB. Users can signup to the website, login and stay authenticated through JSON web tokens. Passwords are encrypted using bcrypt and stored in a MongoDB database. The full website is responsive and can be viewed live using the link. The GitHub repo can be found here.

Homepage – A personal project using React with typescript, Express and CSS. Users can add a location to the dashboard to see the current weather and temperature as well as inspirational quotes, the current time and a picture depending on the time of day. Multiple API calls are made to convert the user's location into latitude and longitude before retrieving the weather data. The GitHub repo can be found here.

PROFESSIONAL EXPERIENCE

Acting Head of Mathematics at St Philip Howard Catholic School
July 2022 — January 2023

- Developed and led a team of 8 high-performing educators, holding accountability for the entire department.
- Engaged staff to improve the current schemes of learning by fostering a collaborative approach to lesson design.
- Produced a subject development plan alongside an analysis of public examination results for review with the school's leadership team to discuss improvements for the departments following year.
- Monitored and evaluated pupil progress leading to measurable contributions to achieving whole school targets.
- Delivered consistent feedback to colleagues to acknowledge good practice and facilitate their continued professional development against school targets.
- Managed and evaluated the subject budget allocation ensuring optimal resource utilisation between ongoing costs and new equipment to improve student learning.

- Created and delivered presentations to parents during open evenings to improve retention of students into sixth form.
- Led weekly department meetings to make progress towards departmental goals to improve the quality of the teaching of all members of the department through high quality resource gathering and sharing.

Deputy Head of Mathematics at St Philip Howard Catholic School
September 2019 — August 2024

- Effectively managed responsibilities and ensured departmental continuity in the absence of the Head of department.
- Interviewed prospective candidates for teaching roles or to become trainee teachers resulting in the successful selection of 4 teachers / trainees.
- Created an excel spreadsheet, including macros, for all heads of years to use as a streamlined process to analyse data saving 75% of the time required per head of year to manually analyse their data.
- Regularly analysed data and reported findings to Head of mathematics to ensure consistency in results from year to year by looking at class trends and deciding how to aid those teachers best.
- Collaborated with the head of department to implement a mastery-based scheme of learning.
- Took responsibility for a key stage, including managing data to improve progress and attainment by targeting students who were more than 2 grades below their target for specific interventions.
- Supported subject staff in the development of curriculum resources to improve the quality of worksheets and teacher demonstration examples.
- Ensured that all OFSTED inspection requirements are met to secure an "Outstanding" rating for the second time in 7 years.
- Mentored newly qualified teachers, trainee teachers and teachers who are not maths specialists to enhance their teaching skills and improve their confidence in delivering lessons which led to greater student engagement.
- Planned and organised out of school Mathematics events, creating risk assessments, and driving the school minibus to deepen mathematical understanding whilst boosting their interest in the subject.
- Organised Maths challenge events in the school to provide extra chances to problem solve yearly as well as compete at a national level and gain awards.

Teacher of Mathematics at St Philip Howard Catholic School
July 2016 — August 2024

- Planned clear and well-structured lessons in accordance with the school's scheme of learning and the governments national curriculum resulting in consistently high results of 95%+ pass rate yearly at GCSE and an ALPS 4 and above at A Level.
- Created, reviewed, delivered and marked assessments in accordance with the school policy and prepared students for external examinations.
- Reported on students' attainment and progress to the school and parents to keep an open conversation and make adjustments/recommendations of how to improve regularly.
- Maintained the teaching area and create a stimulating and safe environment for students to learn in.
- Continually developed professionalism by attending courses run by maths specialists or general pedagogy experts.
- Took classes for computer science during a staff shortage, with lessons focusing on networks, HTML and CSS.

IT Technician at St Philip Howard Catholic School
October 2014 — July 2015

- Deployed new software using group policies in active directory, set up and maintained hardware systems. Implemented a new system to log, locate and record maintenance of assets around the school.
- Assisted and advised in planning for future technological changes in the school by discussing the advantages and disadvantages of laptops & tablets for student use as well as electronic whiteboards & televisions for teaching

HOBBIES

Swimming, Running, Bouldering (Rock Climbing)