CURRICULUM VITAE

PhD in Chemistry with a First-Class Master's degree from the University of Oxford, recently transitioned into software development after completing a Full Stack Developer Coding Traineeship. Highly analytical problem-solver with strong attention to detail and a proven ability to learn complex technical concepts quickly. Passionate about applying programming and technology to solve real-world business problems. Seeking an entry-level or junior software developer role within a collaborative, agile team environment.

PERSONAL DETAILS

NAME: Callum Hall
RESIDES: Hade Edge, Holmfirth
TRANSPORT: Full UK driving licence and vehicle
RIGHT TO WORK: British Citizen

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CODING TRAINEESHIP   **IT Career Switch Ltd**
                                    Coding Traineeship – Full Stack Developer
                                    1-year program

                                    During the traineeship, I had to demonstrate a very competent level of the following programming languages and technical skills:

- HTML5, CSS3, JavaScript
- PHP, SQL, MySQL, React, jQuery, C#
- Python, Node.js, Bootstrap, Java, JSON
- Command line Git, GitHub
- Remote API access

ADDITIONAL TECHNOLOGIES:

- AJAX

DEVELOPMENT EXPERIENCE:
Below are the two briefs of development projects I completed with IT Career Switch which can be found in my bio:
https://callumgjhall.co.uk/

Portfolio Project #1: "Gazetteer"
Develop a map-based application in HTML, CSS, JavaScript (jQuery) and Bootstrap presenting geographical and demographic data from JSON returned by PHP modules that query third-party APIs such as GeoNames and OpenWeather.

Portfolio Project #2: "Company Directory"
Full project cycle: Formal proposal followed by the development of a company personnel database application using Bootstrap, JavaScript (jQuery), PHP and MySQL. Sign off obtained after demonstrating that all of the required functionality was present and working as intended through the preparation of a formal test script.

CAREER HISTORY:

Feb 2022 – Present   **Concept Life Sciences**
POSITION HELD: **Senior Scientist (Jul 2023 – Present)**
                              Scientist (Feb 2022 – Jun 2023)

- Regularly utilised scientific knowledge to solve complex problems both individually and as part of a wider team
- Experienced in management of projects, mentoring, supervising and guiding fellow team members
- Through solving complex scientific problems, honed excellent problem-solving skills and strong attention to detail
- Ability to work in an agile delivery environment, applying flexibility and resiliency to ensure customers' demands are met to the highest standards
- Collaborated across teams and departments to provide first-class results for customers and clients
- Regular attendance of conferences and other commercial events, including outreach visits to universities

2018 – 2022   **GSK & University of Strathclyde**
PhD Synthetic Organic Chemistry

- 4 years of pharmaceutical industry experience, working on individual research and collaborating cross-department and between institutions
- Excellent verbal and written communication skills, honed through multiple publications and oral presentations
- Personal Development qualification, covering personal & professional development (goal setting & progress assessment), reflection techniques and inter-/intra-personal skills
- Gained experience of Computational Chemistry, Linux-based programming language, and basic python scripting

EDUCATION:

2018 – 2022   **University of Strathclyde**
PhD Synthetic Organic Chemistry

2014 – 2018   **University of Oxford**
MChem (Hons) Chemistry (First Class)