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Personal Bio

I am a highly motivated and creative software developer with a background in history, heritage and tourism. My diverse skills include my capacity for self-driven research, a practised approach to communicating information clearly and concisely, and my experience working in busy and fast paced environments. Despite an ongoing passion for history and heritage, I have pursued a new career in software development, to develop my strengths which I believe are better suited to the tech sector. I love to build things and be part of wider projects. I enjoy collaborating in busy team environments, and I am also happy to work independently. I strongly believe in the central role of technology in driving society forward and finding solutions to improve our lives. My greatest professional ambition is to find a place in the Scottish tech ecosystem where I can contribute effectively.

Technical Education

February 2023 - June 2023

CodeClan, Edinburgh – *Professional Software Development*

A 16 week SQA accredited program that teaches the fundamentals of software development using Agile best practices, TDD and OOP.

Languages and Frameworks Studied: Python, JavaScript, Java, SQL, Flask, Express, React, Spring, Node.js, MongoDB, SOLID principles and RESTful workflows, Version Control Git.

Projects

SOLARSYSTEM.DB | Educational App

- **Timescale:** One week (Solo project)
- **Tech Stack:** Python, Flask, HTML, CSS, PostgreSQL
- **Description:** An educational app showcasing the Solar System, presenting planets and moons with images and information. Provides complete CRUD functionality for cataloguing solar bodies, user-friendly profiles with login, and an exit page displaying user session activity.
- **Highlight:** Implementation of complete CRUD functionality to handle planets, moons, users, and visits.
- <https://github.com/WaxenOsprey/SolarSystem.DB>

PhoenixTrader | Personalised Stockbroker App

- **Timescale:** 1 week (Group project)
- **Tech Stack:** JavaScript, React, Express, MongoDB
- **Description:** Developed a stock broker app allowing users to manage portfolios, track stock prices, buy/sell stocks, and view visual aids like pie charts and candlestick graphs.
- **Highlight:** Integration of real-time stock price retrieval through Public APIs and the presentation of stock data with visual aids.
- <https://github.com/WaxenOsprey/PhoenixTrader>

Gwentish! | Online Card Game

- **Timescale:** Two weeks (Group project)
- **Tech Stack:** Spring, Java, JavaScript, React
- **Description:** Turn-based card game inspired by Gwent from the Witcher franchise. Features player login, personalised decks, real Gwent card data, a visualised game board, strategic card play, live score updates, and in-game messaging.
- **Highlight:** Managing game logic and state with a Java backend while controlling display and game flow with React.
- <https://github.com/WaxenOsprey/Gwentish>

August 2022 - December 2022

CS50x, Online – *Introduction to Computer Science*

An online course introducing computer science and programming. Topics cover abstraction, algorithms, data structures, encapsulation, resource management, security, software engineering, and web programming.

Languages and Frameworks Studied: C, Python, SQL, HTML, CSS, and JavaScript.

Further Experience

May 2017 - May 2022

Historic Environment Scotland, Edinburgh Castle – *Historic Site Guide*

- **Conducting Tours and Sharing Historical Knowledge:** Leading guided tours of the site, providing visitors with informative and engaging narratives, tailored to each group.
- **Ensuring Visitor Safety and Handling Emergencies:** Providing guidance on potential hazards, managing crowd control and implementing emergency protocols when needed.
- **Continuous Learning:** Staying updated on historical research and new discoveries related to the site.

September 2014 - May 2018 (Attended Edinburgh University full time)

Feb 2009 - June 2014

Internuts Computer Repairs, Edinburgh– *Computer Repairs Technician*

- Customer Service: Interacting with customers in a professional and friendly manner, actively listening to their concerns, and providing clear explanations of repair processes and potential solutions.
- Diagnosing Hardware and Software Issues: Identifying and troubleshooting hardware and software problems on customers' computers and laptops.
- Repairing and Upgrading Computers: Performing necessary repairs and upgrades on customers' computers and installing new hardware or software as needed.

Further Education

September 2013 - May 2018

Edinburgh University, Edinburgh – *BA History (hons)*

I pursued and attained a degree in history fulltime as an adult learner, deepening my understanding of historical research, critical analysis, and effective communication.

Voluntary Experience

Jan 2020 - Feb 2022

Historic Environment Scotland– *Health and Safety Representative*

During the Covid-19 pandemic I represented the site staff at Edinburgh castle, actively engaging in health and safety meetings with castle management. I contributed to the safety planning, liaising with my colleagues and communicating recommendations to staff and visitors.

May 2016 - August 2017

St Giles Cathedral – *Volunteer Site Guide*

Whilst attending Edinburgh University, I additionally volunteered at St Giles cathedral to gain experience working in a busy heritage location. I was responsible for maintaining the safety and security of those on site as well as engaging with visitors' questions and explaining the history of the site.