Jacob Weinbren

Exeter, Devon

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LinkedIn | GitHub | Portfolio

Web Developer | GIS | Researcher

Professional Summary

I am pursuing an MSc in Geographic Information Science, leveraging my experience as a Full Stack Web Developer. I excel in technologies including Git, Next.js, React, Svelte, Astro, Python and WordPress, implementing the agile methodology. I specialise in data management, visualisation and have expertise in Docker, AWS, MySQL, and Google Analytics. I have demonstrated leadership in large-scale projects, emphasising teamwork and delivering high-quality solutions.

Education

University of Exeter - *Geographic Information Science MSc*

SEP 2024 - SEP 2025

I study Drone Analysis and Geo-Visualisations, Spatial Data Science, Environmental Remote Sensing, and Open Source GIS. I have achieved distinctions on all my assessments to date.

AWS Certified Cloud Practitioner - *Certification*

MAY 2024

University of Exeter - *English BA*

SEP 2019 - SEP 2022

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Denbigh Sixth Form - *A Level (A-E)*

SEP 2016 - SEP 2018

I completed an EPQ on polyphonic audio analysis, including machine learning techniques.

Extended Project A, English Literature B, Economics B, History B

Denbigh School - *GCSE (A*-U)*

SEP 2011 - SEP 2016

A* - Maths, Statistics, Physics, Biology, Computing
A - Philosophy and Ethics (RE), Geography, Chemistry, English Literature, English Language, Business Studies
B - Graphic and Product Design
C - French

Work Experience

Novi Digital - *Website Developer, Remote*

AUG 2023 - JAN 2024

- Streamlining project delivery and enhancing service quality took me to direct a critical B2B service management project using Next.js and Laravel.
- In order to increase compliance standards and create a superior user experience, I spearheaded the maintenance and enhancement of WordPress websites.
- To automate marketing improvements and site usage analytics, I developed and implemented Google Analytics scripts for over 30 businesses.
- To showcase my technical proficiency and problem-solving skills, I translated over 10 complex Figma page designs into cross-platform website pages.

Binary Spiders - *Website Developer, Milton Keynes*
OCT 2022 - MAY 2023
- To boost customer engagement, I improved the company's entire website portfolio by implementing UX and accessibility enhancements.
- In order to strengthen site security and user trust, I built a robust login system.

The Social Review, Manchester - *Website Manager Volunteer, Remote*
SEP 2020 - SEP 2022
- I enhanced user experience through technical maintenance and content management innovations.
- I ensured reliability and consistent uptime by managing the server database.

The National Museum of Computing, Bletchley - *Volunteer, Milton Keynes*
AUG 2013 - SEP 2018
- I enhanced educational outreach by leading guided tours and exhibit planning, including heading the BBC Domesday Project presentation
- I increased visitor engagement by creating innovative virtual exhibits, including a complete museum recreation.

Projects

Canadian Census 2021 - *Visualisation*
JUN 2024
- I analysed and visualised census data covering 2,500 variables and millions of buildings using Redis map server technology, earning recognition from MountainMath CEO Dr Bergmann.

MP Campaign Site - *Website*
JUN 2024
- I built a successful parliamentary campaign website, ensuring cross-device compatibility and strict adherence to party guidelines.

UK General Election - *Visualisation*
JUL 2024
- I revealed correlations between deprivation and UK voting patterns through ecological analysis, receiving acclaim from FT Political Editor Stephen Bush and Professor Rob Ford.

Hebrew Transliteration + Duolingo Flashcards - *Learning Tool*
JAN 2023 - JAN 2024
- To make Hebrew learning more accessible globally, I coordinated a global team to develop an innovative Hebrew learning system. To do this, I implemented neural networks to automate Hebrew transliteration and pronunciation. I created and deployed over 4,000 interactive Anki flashcards.

Israeli Elections - *Visualisation*
MAY 2021 - JUN 2022
- To enhance understanding of socio-political trends, I mapped and analysed Israeli election results for B'nai Brith, earning recognition from Professor Matthew Shugart.

Skills and Interests

I write regularly on literature, programming, and politics through my portfolio blog. I actively follow and implement the latest web development standards. I excel in the Microsoft suite, including Word, Excel, PowerPoint, and Teams. As part of my role as treasurer of the Exeter Postgraduate Society, I manage financial responsibilities, including bank accounts, receipts, and invoices.