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# Jacob Weinbren

Exeter, Devon

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Web Developer | GIS | Researcher

## Professional Summary

Currently pursuing an MSc in Geographic Information Science. Experienced Full Stack Web Developer and proficient in technologies including Git, Next.js, React, Svelte, Astro, CI/CD, Python and WordPress. Trained in the agile methodology. Specialised in data management and visualisation and have expertise in Docker, AWS, MySQL, and Google Analytics. 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

Modules include Drone Analysis and Geo-Visualisations, Spatial Data Science, Environmental Remote Sensing, and Open Source GIS. Currently pursuing an internship with the Digital Estates Team.

**AWS Certified Cloud Practitioner** - *Certification*

MAY 2024

**University of Exeter** - *English BA*

SEP 2019 - SEP 2022

Graduated with a 2:1

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

SEP 2016 - SEP 2018

Extended Project (A), English Literature (B), Economics (B), History (B). EPQ focused on polyphonic audio analysis, incorporating machine learning techniques.

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

SEP 2011 - SEP 2016

13 GCSEs ranging from A\* - C, including English A and Mathematics A\*.

## Work Experience

**Novi Digital** - *Website Developer, Remote*

AUG 2023 - JAN 2024

- Streamlined project delivery and enhanced service quality by directing a critical B2B service management project using Next.js and Laravel.
- Improved compliance standards and user experience by maintaining and enhancing WordPress websites.
- Automated marketing improvements and site usage analytics by developing and implementing Google Analytics scripts for over 30 businesses.
- Delivered cross-platform website pages by translating over 10 complex Figma page designs, demonstrating technical proficiency and problem-solving skills.

**Binary Spiders** - *Website Developer, Milton Keynes*

OCT 2022 - MAY 2023

- Boosted customer engagement by improving the company's website portfolio through UX and accessibility enhancements.

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- Strengthened site security and user trust by building a robust login system.

**The Social Review, Manchester** - *Website Manager Volunteer, Remote*

SEP 2020 - SEP 2022

- Enhanced user experience through technical maintenance and content management innovations.
- Ensured reliability and consistent uptime by managing the server database.

**The National Museum of Computing, Bletchley** - *Volunteer, Milton Keynes*

AUG 2013 - SEP 2018

- Enhanced educational outreach by leading guided tours and exhibit planning, including heading the BBC Domesday Project presentation.
- Increased visitor engagement by creating innovative virtual exhibits, including a complete museum recreation.

## Projects

**Canadian Census 2021** - *Visualisation*

JUN 2024

- Analysed and visualised census data covering 2,500 variables and millions of buildings using Redis map server technology.
- Earned recognition from MountainMath CEO Dr. Bergmann.

**MP Campaign Site** - *Website*

JUN 2024

- Built a successful parliamentary campaign website, ensuring cross-device compatibility and strict adherence to party guidelines.

**UK General Election** - *Visualisation*

JUL 2024

- Conducted ecological analysis to reveal correlations between deprivation and UK voting patterns.
- Received acclaim from FT Political Editor Stephen Bush and Professor Rob Ford.

**Hebrew Transliteration + Duolingo Flashcards** - *Learning Tool*

JAN 2023 - JAN 2024

- Coordinated a global team to develop an innovative Hebrew learning system, making the language more accessible.
- Implemented neural networks to automate Hebrew transliteration and pronunciation.
- Created and deployed over 4,000 interactive Anki flashcards.

**Israeli Elections** - *Visualisation*

MAY 2021 - JUN 2022

- Mapped and analysed Israeli election results for B'nai Brith to enhance understanding of socio-political trends.
- Earned recognition from Professor Matthew Shugart.

## Skills and Interests

- Experienced in Microsoft Office Suite, including Word, Excel, PowerPoint, and Teams.
- Treasurer of the Exeter Postgraduate Society, managing financial responsibilities such as bank accounts, receipts, and invoices.
- Writes regularly on literature, programming, and politics through a personal [portfolio blog](#).
- Actively follows and implements the latest web development standards.