

Hannelore Elsden

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Personal Statement

I am a recent Mathematics graduate from the University of Bristol with an Upper-Second-Class Honours degree looking to secure a Software Developer position or similar, to utilise my current analytical skills and knowledge. I am keen to further develop these abilities through a career in a practical and fast-paced environment.

Education

BSc Mathematics (Hons) | 2:1 | University of Bristol

Key Skills gained: Strong analytical skills, ability to follow complex reasoning and pay attention to detail. Coding proficiency in Python and knowledge of R. Excellent problem-solving, organisational and time-keeping skills. Ability to communicate well with a focus on explaining complex topics clearly in simpler terms. **Notable Modules:** Introduction to AI, Mathematical Programming, Linear Algebra, Multivariate Calculus, Intermediate German, Optimisation.

A-Levels: Mathematics (A*), Further Mathematics (A*), Economics (A), Spanish (A)

Employment History

Software Developer, AuraQ Ltd, Malvern

(Sep 2022 - Present)

- Currently undertaking Rapid Developer Certification on Mendix low-code development platform

Mentor & Brand Ambassador, Cajigo, Bristol

(Jun 2021 - Present)

- Wrote script for, filmed, and edited exciting video content in bitesize and long forms to provide advice and insights into my experiences of being a Woman in STEM and how I decided to pursue a career in technology
- Offering virtual guidance to women on the Cajigo app through my Mentor profile and sharing resources

Work Experience, Smartbox Assistive Technology, Bristol

(Jun 2022)

- Developed and presented ideas for a User-friendly game application to the Software team. Then created wireframes and began coding it in Python during a two day mini-sprint achieving functioning pages of the Graphical User Interface
- Brainstormed solutions and created sketches to present to Hardware team to tackle the problem of handle/grip placement on Grid Pad devices based on a product brief, gaining positive feedback on designs
- Learnt about feature requests and User Stories with the UX/UI designer and how content is developed with the Content Team. Adapted mini-sprint project for example User Stories, achieving appropriate functionality for 6+ Users

Intern, Modux, Bristol

(Jul 2021)

- Achieved basic proficiency in C# using Visual Studio Code through help of online resources during a week-long internship
- Created own algorithms, using Slack and GitHub to collaborate on work, including a decryption function for the Cisco 7 password. GitHub link to work: <https://github.com/hanneloreelsden/Modux-internship>

Extra-Curricular Activities

First Year & Mathematics Representative, University of Bristol Women in STEM Society

Developed and implemented a successful mentoring programme, connecting first year and older students within the same courses and scheduling initial meetups then ensuring contact throughout a year-long period. This resulted in increased confidence for both parties and long-term communication lines opened up between mentee and mentor pairings.

Code Club Volunteer, Bristol City Council

Oversaw Code Clubs for children aged 8-11 including Scratch and Python projects. This helped me to improve my communication and management skills in a lively, new environment. Encouraged children to try to find answers for their own questions, guiding them to the solution rather than providing it, leading to improved confidence.

Events Coordinator, University of Bristol Student Action for Refugees Society

Directed a fundraising team of ~10 with one other coordinator. We organised and ran an event & raffle for 200 people at a local bar, raising £350 and creating awareness of the Lift the Ban campaign affecting asylum seekers.