

Sam Woodall

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West Sussex, UK

[LinkedIn](#), [GitHub](#), [Portfolio Site](#)

Summary

Driven, versatile and detail-oriented individual committed to continual learning and adaptation to meet the demands of the dynamic world of tech. With strong collaboration and technical problem solving skills, I am eager to contribute towards a positive and impactful mission.

Education

University Of Sussex: MSc Computer Science (September 2024 - September 2025)

Relevant Modules: Maths and Computation Methods for Complex Systems, Limits of Computation, Algorithmic Data Science, Machine Learning, Engineering Scalable and Reliable Software.

Northcoders: Software Development Course (August 2023 - December 2023)

Northcoders is an industry led software engineering course taken full time over 3 months. Designed to emulate a working environment and teach industry standard software development methods.

Harvards CS50p: Programming with Python (July 2022 - September 2022)

Harvards CS50x: Introduction to Computer Science (April 2022 - June 2022)

SOAS University of London: BA East Asian Studies (September 2019 - 2023)

College of Richard Collyer: (September 2015 - September 2017)

A Levels: Geography, Geology, Environmental Science

Projects

More projects can also be found listed on my portfolio site linked above.

TMysticaStats - Data Visualisation Platform

A data visualisation app for the strategic board game *Terra Mystica*, integrating data aggregated from its online adaptation. Implemented API-driven queries using Pandas, and trained a classification model to predict game outcomes.

GeckoNews

A desktop news application aimed at journalists. Worldwide articles aggregated globally by RSS feeds and translated in app. Users can rate articles by accuracy, bias and insight.

Crop Yield Forecaster

A machine learning model to predict next-year crop yields for any country and crop, based on historical environmental data. It uses a feedforward neural network with embeddings for countries and crops, trained on aggregated climate features.

Repper

A fitness application allowing users to create custom workout plans and progress goals. Logged workouts are compared with goals to produce next workout targets, ensuring users are continually progressing.

Work History

TentStyle, West Sussex: Events Team (June 2024 - Current)

- Create bespoke stretch tent solutions for private clients, enterprises and large events
- Rig tents which satisfy high level safety requirements
- Operate under strict time constraints and project requirements.

Northcoders: Trainee Software Developer (May 2024 - June 2024)

Worked as a freelance consultant to deliver a bespoke software engineering project for internal development, as part of the *Launchpad Project*.

Seoul Plaza, London: Team Leader (January 2020 - March 2023)

- Maintained an efficient stock management and ordering system
 - Supervised and guided team members in high pressure/fast paced situations
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Technical Skills

Languages: Python, JavaScript (node.js),

Testing: Pytest, Unittest, Jest,

Back-end: SQL, Firebase, REST API's, Flask, Express, MongoDB, Pandas

Front-end: HTML5, CSS3, React,

Other: Paired Programming, Agile/Scrum development, Technical Communication