

Sam Woodall

Junior Software Engineer

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[GitHub](#)

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My journey into the world of programming began with a quick glimpse during my GCSEs. Over a decade later, I stumbled upon Harvard's free online introductory computer science courses, which reignited my interest in coding. Building my first complete projects through these courses was incredibly fulfilling and enjoyable, solidifying my desire to pursue programming as a career. This journey led me to Northcoders Bootcamp, where I eagerly embarked on a new chapter in the tech industry.

Technical Skills

Language(s): JavaScript with node.js, Python

Testing: Test Driven Development, Jest, Supertest, Pytest,

Back-end: Firebase, PSQl, SQL, seeding, express, RESTful APIs, Flask, OOP

Front-end: HTML5, CSS3, React, Axios, Svelte

Soft skills: Paired programming, SCRUM methodologies, Agile, Team Collaboration, CI/CD

Experience

Northcoders: August – November 2023

Trainee Software Engineer

Northcoders is an industry led Software Engineering bootcamp that specialises in equipping individuals with the practical skills and knowledge to become competent and comprehensively trained Software Engineers from fundamentals to specialised back-end and front-end frameworks. My [back-end project](#) involved creating a fully tested API, with multiple endpoints to send GET, POST, and PATCH requests to a Postgres news article database. Our [front-end project](#) utilized React and Axios to create a fully user interactable application to make use of our API endpoints. For our [final project](#), I collaborated with a team of 5 to create a gaming social media platform utilizing a Firebase backend and Svelte front-end. Our app created a place for gamers to be connected based on their gaming preference and reviews, with a fully functioning calendar system to schedule sessions and a real-time messaging service.

Seoul Plaza, London: January 2020 – February 2023

Shift Leader

- Maintained an efficient stock management and ordering system.
- Supervised and guided team members
- Resolved customers issues in a professional and efficient manner.

Langsuyeong English School, Seoul, South Korea: February 2018 – June 2019

Foreign Employee Manager and English Tutor

- Ensured a sufficient quantity and quality of English teachers.
- Implemented a new teacher distribution and timetable system.
- Managed teacher housing and contracts
- Delivered native English lessons to high level English learners.

Education

BA East Asian Studies: September 2019 – September 2023

SOAS University of London. Awarded Upper Second Class

Harvard's CS50p Introduction to Python: July 2022 - September 2022

CS50p focuses on in-depth training in Python. Topics dealt with range from OOP to Lambda functions and data engineering. For my final project I created a GUI program which allowed users to add their service subscriptions to track renewals and outgoing payments. Project and demo video can be found [here](#).

Harvard's CS50x Introduction to Computer Science: April 2022 – June 2022

Harvard provide their full introductory computer science module at no cost online. The course runs each year but is self-paced during its duration. It covers fundamental principles such as data structures, algorithms, memory and pointers through using C before moving into more complex problem sets and frameworks utilizing Python. To graduate, a final project is required in which I deployed an online fitness tracker using Python, Flask, and SQL. Project and demo video can be found [here](#).

College of Richard Collyer, Horsham: September 2015 – August 2018

Achieved 3 AS and A levels.

Hobbies and Interests

Computer Building – As an avid gamer, building and working on PC's has always been a big interest of mine. I enjoy the methodology of selecting the right components to create the PC and then sitting down to fit them all together. Working on the installation and debugging issues when things don't go smoothly is hugely satisfying for me when you have a fully functioning machine at the end.

Language Learning - I have always enjoyed learning about new cultures and have tackled many different foreign languages over the past decade. Korean has been the centre of my language learning for the past 7 years and I have worked and travelled in South Korea using my Korean ability with native speakers. Moving forward, my plans are to pick up Mandarin again, and begin a journey a new journey with Spanish and German.