Koda Allison

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Web Developer at Virgin Money. I studied Computer Science at Newcastle University and graduated with a First in summer 2025. I am a confident programmer fluent in Python, Java and TypeScript/JavaScript having used these in both academic and personal projects. I get satisfaction from solving problems and enjoy learning and pushing myself in and out of tech - regularly pursuing goals related towards fitness - most recently a sub 4 hour marathon. I bring a disciplined and goal-oriented mindset eager to join a team I can contribute to but also further develop my skills.

Education

Newcastle University   2022-25
BSc Computer Science (Software Engineering)
    First Class Honours
St John's Sixth Form, Bishop Auckland   2020-22
A Levels
    Computer Science (A), History (B), BTEC Sport (Distinction *), Co-founded "IT and Coding Club"

Technical Skills

- SQL
- MongoDB
- Docker,
- HTML,CSS,
- Tailwind CSS,
- JavaScript & TypeScript
- React, NextJS,
- Git, Github Actions,
- CI/CD
- Agile Software Developmen
- Vercel
- APIs
- Deno

Work Experience

Technical Graduate @ Virgin Money   September '25 - Present
    Worked with TypeScript, Deno, Fresh on a web app that allowed for an overview of codebases along with analysis and reporting features. Contributed to CLI tooling to streamline processes involved in maintaining repositories.

Back Of House @ Nandos   July '23 - Present
    Work within a team to produce high-quality food following Nando's strict food quality, maintain high standards of cleanliness, and comply with food safety and health protocols.
    Transferable Skills:
        Attention to Detail: Ensured precision in food preparation and presentation.
        Time Management: Managed multiple tasks effectively.
        Teamwork and Communication: clear communication and cooperative *problem-solving* in a fast-paced environment

Shift Leader @ One Stop   Jan '22 - Jan '23
    Trusted key holder, responsible for the opening and closing of the store. Coordinated the team, signed for deliveries, completed stock and cash counting audits, and resolved customer issues.
    Transferable Skills:
        Leadership: Delegate tasks to ensure efficient running of the store
        Problem-Solving: Addressed and resolved operational and customer issues.

Customer Service Assistant @ One Stop   March '21 - Jan '22
    Served customers face-to-face whether at the checkout or helping them with various queries. Ensured the store was clean and shelves were well stocked.
    Transferable Skills:
        Customer Service: Delivered high-quality service and addressed customer needs.
        Communication: Interact effectively with customers and team members.
        Adaptability: Adjusted to changing customer demands and store priorities.

Projects & Certificates

University Dissertation Project - "Relieve pressure on teachers by generating lesson plans"   Feb - May '25

I was given the theme of teaching innovation. After researching the area I discovered how overworked teachers were and how much unnecessary time they spent planning lessons. I plan to use the OpenAI API to more efficiently generate lesson plans and if possible in the time frame also be able to provide feedback on certain work. I will make use of Flask and NextJS to build the application.

Baillie Gifford Technology Solutions Insight Event, Edinburgh October 24

Had the pleasure of being invited up to Baillie Gifford HQ. I learnt how they are dealing with migrating to cloud computing alongside figuring out how best to adopt AI and the structure of their tech team. Was also a good opportunity to network with other students and people who worked there, This event made me realise the extent of the capabilities of cloud computing which is not really portrayed through my degree.

Client Project - Crook Community Centre - https://cc-centre.org Sep '24

I recently created my local community centre a new website from scratch. Allowed me to get hands on with a full **software development cycle** and consulting a **client**. I used **wireframes** and **figma** to design the product. I developed a responsive front-end with **NextJS** and **tailwind** and also made use of **SendGrid** email **API** to have a contact form on their website.

Personal Portfolio - **https://github.com/KodaAllison/portfolio-website** July '24

Built using **NextJS** and **Tailwind** to showcase a bit about myself and some of the coding projects I have completed.

University Group Project April - May '24

We were assigned groups and told to pick one of the UN climate change goals. We then had to propose app ideas to be reviewed and approved by the uni. Then we had to go through the whole software development cycle; researching, designing, developing, testing and then presenting our app. Made use of **Python** and **Flask** for the front end and **PostgreSQL** for the back-end. We were also introduced to using **Docker** and **GitHub actions** in this module.

Personal Project - WeatherApp - https://github.com/KodaAllison/weatherapp May '24

Used **NextJS** and a free weather **API** to create a fully functioning weather app. The app displays various aspects of weather data and allows users to search for specific locations with reasonable error handling. Users can add and remove locations to and from a favourites list stored in **local storage**.

JPMorgan Chase & Co. Software Engineering Lite virtual experience program on Forage June '24

Completed a simulation focused on completing an engineering ticket for a system in the credit-card rewards department of JPMorgan Chase & Co. Made use of **Java** and created a new class to get an existing system up and running. Wrote a **test** suite for the class

Other Skills & Interests

- Passionate about travel, socialising, and staying active through sports and fitness.
- Play American Football for the University - pushed me out of my comfort zone to learn a brand new sport
- 5 a side football weekly with friends
- Use apps such as my MyFitnessPal to carefully track diet, Strava for running & Gravitus for weightlifting
- Enthusiastic learner, consistently exploring new information across various topics, primarily through reading, podcasts, and YouTube videos.
  - Favourite Tech Podcast: Syntax Podcast, Non Tech: Modern Wisdom

References

- David Thompson, Manager, Nando's, 0191 261 0131,
- Trish Burns, Store Manager, One Stop, 01388 304081
- Laura Heels, Dissertation Supervisor, laura.heels@ncl.ac.uk