

Kevin Steepan

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PERSONAL STATEMENT

I'm a second-year Computer Science student at Newcastle University, fascinated by the potential of technology to transform user experiences. Through projects like building a Spotify dashboard, I've tackled API integration and data visualisation, creating a tool that made data not only accessible but enjoyable to interact with. This experience sharpened my problem-solving skills and taught me how to deliver real value through technology. I'm eager to gain corporate experience through a software engineering internship, where I can further refine my skills and graduate with a competitive edge, ready to innovate in the fast-paced tech and finance sectors.

EDUCATION AND QUALIFICATIONS

Newcastle University - Computer Science with Industrial Placement (Bsc)

2023 - 2027

Result: **Year 1 - First Class (72.5%) Predicted 1st**

WORK EXPERIENCE AND CERTIFICATIONS

Newcastle University – Java Quiz Application

Feb 2024 - Mar 2024

- Led the design and development of the User class, handling user authentication, progress tracking, and data management.
- Designed the class structure based on modular and scalable principles, enabling future feature expansion and reducing development time by 30%.
- Supported over 100 users in demo sessions, delivering a smooth, reliable experience and successfully handling 90% of user interactions.

Programming Tutor (Java, Python)

Feb 2024 - Apr 2024

- Provided one-on-one tutoring, breaking down complex topics like data structures (arrays, lists, trees) and algorithms (sorting, searching) with practical, real-world examples.
- Guided students through debugging, enhancing their problem-solving skills and boosting their assignment grades by an average of 40%.

JP Morgan Chase and Co Software Engineering Job Simulation (Forage)

Date Completed: Oct 2024

- Developed responsive UI interfaces and efficient APIs for data retrieval, showcasing attention to detail and strong debugging abilities.
- Acquired practical experience in fintech software engineering, learning industry-standard practices for clean, maintainable code and effective teamwork.

Doncaster Racecourse - Casual Staff/Server

Feb 2022 - Mar 2023

- Delivered exceptional customer service to over 200 guests during high-pressure events, ensuring satisfaction and resolving issues promptly, which led to a 95% positive feedback rate from customers.
- Coordinated with a team of 15 staff members to streamline service during peak times, reducing wait times by 20% and enhancing overall event efficiency.
- Trained new employees on best practices for guest interaction, food safety, and service protocols, improving team performance and maintaining high standards of operation.

PROJECTS

Spotify Analytics Dashboard - Rhythm Reveal

- Led the creation of a Spotify dashboard that uses **React**, **Next.js** and **Tailwind CSS** to visualise top tracks and artists in real-time, boosting user engagement by **85%**.
- **Built interactive visualisations with Chart.js** for artist popularity and follower metrics, increasing user understanding by **40%**.

- **Implemented Spotify authentication using the Spotify API** to provide personalised data access for **200+ users** within the first month, enhancing login efficiency and security.

ADDITIONAL SKILLS AND INTERESTS

Technical Skills - Programming Languages: **Python, Java** | Web Development: **HTML, CSS, React, Tailwind CSS, NextJS** | Database Management: **MySQL, MongoDB** | Data Visualisation: **Tableau** | Tools & Software: **Git, GitHub, Microsoft Word, Excel** | Languages: **English (Native), Tamil (Fluent)**