

Philip Battersby

Junior Software Developer

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As a recent graduate with a strong background in mathematics, I discovered my passion for coding while learning Python at university. I decided to follow this growing interest and pursue a career in software development. I'm currently learning Full-Stack JavaScript at Northcoders, where I'm gaining hands-on experience with both Front-End and Back-End technologies, as well as industry practices. After getting the opportunity to work on my own projects, I'm excited to apply my analytical and mathematical skills to tackle new challenges in a developer role.

Technical Skills

- **Languages:** JavaScript, Python
- **Testing:** Test Driven Development (TDD), Jest, Supertest
- **Front-End:** HTML, CSS, React
- **Back-End:** SQL, PostgreSQL, seeding
- **Hosting:** Supabase, Render, Netlify
- **Soft skills:** Pair programming, technical communication, agile and SCRUM methodologies

Projects

Northcoders News API | A RESTful API for a news platform

- Technologies Used: Node.js, Express, PostgreSQL, Jest
- Developed a news article platform API with endpoints allowing users to view, comment on, and interact with articles
- Built database tables in PostgreSQL, and created CRUD operations for articles, comments, and users
- Followed RESTful principles and implemented error handling to ensure smooth user experience

Northcoders News Site | Frontend client for Northcoders News API

- Technologies Used: HTML, CSS, React, Axios, React Router
- Created a responsive React interface allowing users to view articles, post comments, and interact with content retrieved from the Northcoders News API
- Used useState and useEffect to manage and display dynamic data, with Axios handling API requests

Experience

Trainee Software Developer | Northcoders | *September 2024 – December 2024*

- Completed a 13-week intensive software development program, learning the fundamentals of Full-Stack web development along with industry best practices
- Developed multiple projects gaining a practical understanding of software design principles
- Gained experience in agile methodologies through extensive pair programming and collaboration with peers, improving my teamwork and communication skills in a supportive environment
- Utilised TDD practices with Jest and Supertest to write and run comprehensive test cases

Freelance AI Testing Contributor | OUTLIER AI | *MAY 2024 – September 2024*

- Created and tested mathematical questions to evaluate the accuracy and robustness of the AI system
- Verified the correctness of the AI responses at each step and corrected any errors to improve overall performance
- Strengthened mathematical and analytical skills with a focus on testing methodologies and attention to detail

Education

University of Liverpool | *October 2020 – May 2024*

Degree: BSc Mathematics (2:1)

Relevant Modules:

- Quantum Mechanics
- Number Theory
- Game Theory
- Combinatorics
- Mathematical IT Skills
- Numerical Methods for ODEs and PDEs

St. Aidan's and St. John Fisher Associated Sixth Form | *September 2018 – June 2020*

A-Levels: Maths (A), Further Maths (B), Physics (B)

Certifications

- Microsoft Certified: Azure Fundamentals

Hobbies and Interests

Personal Development:

- Continuously learning about useful technologies like Cloud and AI via an online subscription and self-study
- Earned an AI Fundamentals Certificate with DataCamp
- Go to the gym regularly

Leisure:

- Take my miniature sausage dog on walks
- Unwind by playing Rocket League or Football Manager
- Enjoy experimenting with and cooking new meals with my girlfriend
- Play snooker weekly with my friend

Additional Activities:

- Volunteered in various schools throughout high school, gaining valuable experience working with teachers and interacting with a diverse range of students
- Participated in the UKMT Maths Challenge, earning gold certificates and consistently achieving the top mark in my year and school. Earned a merit in the next round for placing in the top 25%