

# Amelia Winters

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## Summary

Innovative Full-Stack Engineer with a background in artificial intelligence, recognized for excellent performance and teamwork. Continuously seeking challenge in both professional and personal life.

## Experience

### The Access Group

Aug 2022 – Present

*Junior Software Engineer*

*Remote*

- Recognised constantly by management, peers, and end-users for outstanding performance in developing high-quality projects.
- Surpassed team benchmarks by consistently delivering 300% of the average workload per sprint, as measured in story points, significantly outperforming peers.
- Serve as CyberSecurity Champion, maintaining a record of 0 vulnerabilities in my developed products through numerous whitebox pen tests.
- Detected and resolved a critical (CVSS 9.0) legacy security flaw that had been overlooked in all previous pen tests.
- Modernised and integrated full-stack testing into three legacy products, significantly improving maintainability
- Completed over 150 courses in both soft and technical skill development, enhancing expertise in Communication, Web Accessibility, Effective Testing, and CyberSecurity.

## Education

### Loughborough University

July 2022

*Bachelor of Science in Computer Science and Artificial Intelligence Grade 2:1*

*Loughborough, UK*

- **Relevant Coursework:** Web Programming (97%), Networks and Internet 1 (90%), Networks and Internet 2 (88%), CyberSecurity (75%), Advanced AI Systems (75%),

## Projects

### Employee Performance Product | *React.js, TypeScript, .NET/C#, ASP.NET Core, SQL Server, Azure*

- Independently implemented complete solutions including performance reviews, company dashboards, testing frameworks, and integration of automated testing in the CI/CD pipelines, enhancing product functionality and user experience.
- Led a major refactoring initiative, improving the code quality score by over 20 points inside of SonarQube.

### Goals and Objectives | *React.js, TypeScript, .NET/C#, ASP.NET Core, SQL Server, Azure*

- Integrated a ChatGPT-based solution during a hackathon for streamlining managerial workflows
- Transformed a legacy codebase, segmenting over several files with thousands lines of code each into small and detailed components, improving code readability and maintainability.

### Path to Great | *React.js, Vue.js, TypeScript, .NET/C#, SQL Server, Azure*

- Redesigned this entire application from the ground up, greatly improving this product's maintainability and earning high praise from directors, managers, and end-users.
- Successfully migrated a critical Vue.js component to React.js, implementing TDD to ensure reliability.

### Wedding Venue Booking Website | *JavaScript, jQuery, HTML, CSS, PHP, SQLite, Node.js*

- This project earned an excellent 97% grade, reflecting strong technical and design skills.
- Developed and launched a user-friendly, efficient online solution for wedding venue bookings, tailored to client specifications.

## Expertise & Enthusiasm

**Programming Languages:** TypeScript, JavaScript, C#, Python, Java, SQL, HTML, CSS,

**Technologies:** React.js, Vue.js, ASP.NET Core, .NET, Swagger, Azure, Node.js

**Concepts:** Automation, TDD, REST API, Responsive Design, SOLID Programming

**Interests:** Martial Arts, Cosplay, Volunteering for Charity