Katherine Curtis

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Personal Profile

Second-year BSc (Hons) Computing student at the University of Dundee with a solid foundation in programming, problem-solving, and teamwork. Experienced in developing software using Java and HTML/CSS through individual and group projects, with a focus on writing clear, maintainable code and effective collaboration. Enthusiastic about applying technical and creative skills to real-world engineering challenges.

Education

University of Dundee – *BSc (Hons) Computing*
Sep 2024 – Jun 2028 | Dundee, Scotland

- Key Modules: Software Engineering, Data Structures & Algorithms, Web Development, Embedded Systems
- Current focus: Object-Oriented Programming, Java Development, Web Design, and Team-Based Software Projects

Greenfaulds High School
Aug 2018 – Jun 2024 | Cumbernauld, Scotland

- 2024: Higher Admin & IT (B), Politics (C), Business Management (A)
- 2023: Higher English (A), Computing (A), History (B), Maths (B), Chemistry (D)
- 2022: National 5 – English (A), Computing (A), Chemistry (A), History (A), Music (A), Maths (B), Art (B)

Technical Skills

- **Programming Languages:** Java, Python, C, SQL, HTML/CSS
- **Frameworks & Tools:** Bootstrap, Git/GitHub, Visual Studio Code, BlueJ
- **Key Areas:** Software design, debugging, testing, version control, UI development, Agile teamwork.
- **Soft Skills:** Communication, time management, teamwork, problem-solving, adaptability, collaboration under pressure.

Relevant Projects

Business Portfolio Web Project

- Designed and implemented a responsive portfolio website using HTML, CSS, and Bootstrap.

- Focused on accessibility, usability, and clear navigation to create a professional online presence.

Embedded Systems Group Project – "Escape Room"

- Collaborated in a team to design an interactive escape-room system using Python and microcontrollers.
- Programmed logic for sensors and LED control, tested functionality, and coordinated debugging sessions using version control.

Java Scrabble Game

- Developed a simplified Scrabble game in Java using BlueJ.
- Implemented word validation, scoring algorithms, and turn-based gameplay in a text interface.

Web Development Group Project – "Super Mario 64 Info Site"

- Built an informational website using HTML, CSS, and JavaScript.
- Integrated media, dynamic content, and consistent styling while managing contributions through GitHub.

Work Experience

Caulders Garden Centre Restaurant – *Front of House Team Member*
Mar 2024 – Aug 2024 | Cumbernauld, Scotland

- Delivered professional customer service in a high-pressure environment.
- Communicated effectively with kitchen and floor teams to ensure smooth service.
- Completed training in Food Hygiene and Health & Safety.

Ancrum Outdoor Activity Centre – *Volunteer (Gold DofE Residential)*
May 2023 | Dundee, Scotland

- Assisted staff with residential trip for primary pupils, supporting activities and supervision.
- Helped maintain site organisation and meal preparation.

Salvation Army Charity Shop – *Volunteer*
Oct 2021 – Apr 2022 | Cumbernauld, Scotland

- Managed donations, stock rotation, and pricing.
- Developed responsibility and teamwork skills in a community-focused role.

These roles strengthened teamwork, communication, and adaptability – which are now applied in collaborative software projects.

Achievements & Activities

- Completed **Bronze and Silver Duke of Edinburgh Awards** – built leadership and collaboration skills.
- **Community Volunteering:** Regular litter-picking and charity work.
- **Creative Hobbies:** Crochet and painting – patience and attention to detail.
- Enjoy puzzles and logic challenges, reflecting strong analytical and problem-solving ability.