Jake Forsyth

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Personal Profile

Motivated Computer Science student at the University of Dundee with strong programming and problem-solving skills. Experienced in Java, Python, and full-stack web development. Passionate about building scalable software solutions and eager to contribute to BT's digital transformation as a Graduate Software Developer.

Education

BSc (Hons) Computer Science – University of Dundee (2022–2026, Expected 1st Class)

Key Modules: Data Structures & Algorithms, Object-Oriented Programming, Database Systems, Networking, Embedded Systems.

Technical Skills

Languages: Java, Python, JavaScript, C

Web: HTML, CSS, Flask, React

Databases: MySQL, SQLite

Tools: Git, VS Code, Packet Tracer, Docker

Projects

Lottery Simulation (Java): Implemented interactive lottery system using Generics and file persistence.

Shop Inventory Binary Tree: Designed data structure for managing stock without recursion.

Network Simulation (Packet Tracer): Configured routing, DNS/DHCP, and wireless security for a simulated company.

Experience

Student IT Support Assistant – University of Dundee (2024–Present)
Maintained lab systems, assisted students, and managed GitHub setup.

Freelance Web Developer – Self-employed (2023)
Built responsive websites for clients using HTML, CSS, and JavaScript.

Transferable Skills

Teamwork, communication, problem-solving, and time management demonstrated across coursework and freelance projects.

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