

Isaac Walsham

isaac.walsham@gmail.com | <https://www.linkedin.com/in/isaacwalsham/> | <https://github.com/isaacwalsham>

Education

University of East Anglia – Norwich, UK

BSc Computer Science | Expected: 2027

- Predicted First-Class Honours
- Relevant Modules: Foundations of Data Science, Information Retrieval
- Completed: CS50x – Introduction to Computer Science (Harvard)

Projects

CMPS Examination Database System

- Designed a PostgreSQL database for managing student exam entries and results
- Developed SQL transactions and integrity constraints for inserts, deletions, and updates
- Built a Python GUI to support grade entry, exam scheduling, and report generation
- *Tech used: PostgreSQL, SQL, Python (Tkinter)*

Arcade Management Simulation

- Created a Java system to simulate arcade operations, customer accounts, and transactions
- Used OOP principles to build game hierarchies and apply discount/age logic
- Processed real-time interactions from structured file input
- *Tech used: Java, File I/O, OOP, Custom Exceptions*

Experience

Lifeguard

Colchester Leisure World, David Lloyd Norwich, CRGS, Parkdean Resorts

Apr 2022 – Present

- Maintained safety and emergency readiness across multiple locations
- Developed teamwork, reliability, and high-pressure communication skills

Technical Skills

Languages: Python, Java, SQL, C

Tools: Git, PostgreSQL, pgAdmin, VSCode

Concepts: OOP, SQL Transactions, File I/O, GUI Design