Edward Boulderstone

PERSONAL DATA

Address:	8 Deeping Road, Baston, Lincolnshire, PE6 9NP
Home:	01778 561464
Email:	boulderstone.e@gmail.com
Passport	British & American

PROJECT/WORK EXPERIENCE

Winter 2021	Used C++ and OpenGL to render landscape scenes with animation for game simulation.
Winter 2021	Using OpenCV to find and erase text within a document image.
Summer 2021	Used PID controller to simulate real-time navigation of tractor through field.
Spring 2021	Led group of programmers to develop strategy and platformer games.
Spring 2020	Developed Android app to 'explore Newcastle' using backend SQL server and Java database
Autumn 2019	Developed and modified systems calls in Minix operating system (C).
Autumn 2019	Developed and tested various bin packing algorithms for storage efficiency (Java).
Summer 2018	Used Raspberry PI assembler to calculate check bits for reliable communications.
Summer 2017	Developed software tools to extract metadata from the web (C#). Built databases for content matching.
September 2013 to September 2017	Baston Post office and local Shop *Various roles including newspaper round administration and delivery.*
	Prepared newspaper rounds for delivery on weekends based on order book.
	Delivered newspapers, served in the shop and performed other tasks as required.
Skills developed:	Punctuality (6am start), reliability, flexibility, customer service.

COMPUTER SKILLS

Machine Learning	Built particle swarm optimisation to create unsupervised classification tool.
Python	Developed complex Sudoku puzzle maker/solver application.
Java	Developed custom applications at University.
C#	Data extraction software using Visual Studio.
C++	Full participated in 'Advent of Code 2021' writing software to solve a number of maths puzzles.
C	System and low-level function calls.
Visual Basic	School projects to develop various applications.
Google maps api	Part of a team that developed a game using local map features
Young Rewired	Developed open source application in team and presented project

EDUCATION

Bourne Grammar School	A Levels: Maths (A*), Further Maths (A), Computer science (A), Physics (A).
Newcastle University	Fourth year Computer Science Degree. (projected result: 1st)

INTERESTS AND ACTIVITIES

I enjoy outdoor physical activities, recently I have:

- Climbed Sgùrr nan Gillean a mountain on the Isle of Skye in Scotland while on holiday.

- Completed the three peaks challenge.

- Reached the black tag class in Taekwondo.