

Luke Buncle

Computer Science Graduate

ABOUT ME

As a recent Computer Science graduate with a passion for technology and innovation, I bring hands-on experience in software development, machine learning, and data analysis. I am reliable, adaptable, and eager to apply my technical skills and knowledge. I have experience working effectively both independently and as part of a team, and I am keen to learn from other professionals within the field.

EXPERIENCE (PROJECTS)

For my **dissertation**, I implemented a **reinforcement learning model** that learns to communicate using abstractions. Built in **Python** with **PyTorch**, it utilises a deep neural network for performance. I **documented** and **presented** my findings using **LaTeX**, successfully demonstrating improved communication efficiency.

In a **group project**, we aimed to build a **sustainability-themed web application** with minigames while collaborating through **GitHub**. During this project I was responsible for implementing leaderboards and a retractable navigation bar using **Python**, **Javascript**, **HTML** and **CSS**. By the end of the project we had a fully deployed web application which promoted sustainability through minigames.

For a **data analysis project**, I chose to investigate the correlation between football team play style and performance using **K-means clustering** and **regression** in **python**. With the help of graphs created using **Matplotlib**, I **presented** my results confirming play style impacts performance.

While at university, I developed an **Android app** to display Premier League standings and results. The app was developed in **Android Studio** using **Java** and retrieved the required data from an API. The final result was a smooth user experience with **real-time updates**.

SKILLS

Soft Skills

Communication

Teamwork

Adaptability

Critical Thinking

Problem Solving

Work Ethic

Resourcefulness

Quick Learner

Self-Motivation

Languages

- Python

- Java

- HTML

- CSS

EDUCATION

BSc (Hons) Computer Science, 2:2

University of Exeter

August 2021 - July 2024

Dissertation

Optimizing agent communication with reinforcement learning using PyTorch.

Modules

Learning from Data

Algorithms

Database Theory and Design

Social and Professional Issues

Topics

Data Analysis, Machine Learning

Significant Algorithms

Databases

Ethics, Computer Law

A Level

Computer Science
Mathematics
Physics

A
A
B

GCSE

9 GCSEs including:

Computer Science	8
Mathematics	9
Physics	8
Statistics	7

Other

EPQ (Topic: Impacts of Artificial Intelligence)	A
Level 3 FSMQ Additional Mathematics	B

Intermediate Mathematical Challenge 2018	Silver
Intermediate Mathematical Challenge 2019	Silver
Senior Mathematical Challenge 2020	Silver

WORK EXPERIENCE

Tesco Festive Colleague Nov - Dec 2024

Worked as a temporary colleague during the holiday season. Assisted customers and managed stock in a high-demand retail environment. Monitored inventory in the spirits section to prevent shortages. Contributed to efficient store operations and enhanced customer experience.

Parker Kittiwake (student work placement) April 2018

Completed a student placement at Parker Kittiwake in April 2018, assisting with assembly and packaging. Followed structured processes to ensure efficiency and quality, gaining hands-on experience in teamwork and operations.

INTERESTS

 Technology  Video Games  Football  Travelling