

JAMES WAINWRIGHT

James.wainwright501@gmail.com · 07494960145 · Jamesmwainwright.com

I am mechanically-minded and I love overcoming challenges and solving problems. I am constantly coming up with ideas for new projects and producing them. I aspire towards a career in engineering and I am looking to gain more work experience in this area.

EDUCATION AND QUALIFICATIONS

A-LEVELS (THE LIVERPOOL BLUECOAT SCHOOL) RESULTS IN AUGUST

- **Physics** • **Further Mathematics** • **Mathematics** • **Chemistry**

GENERAL CERTIFICATE OF SECONDARY EDUCATION (THE LIVERPOOL BLUECOAT SCHOOL) AUGUST 2019

Eight GCSEs equivalent to A**, A* or A

- Physics (9) • Biology (9) • Chemistry (9) • Computer Science (9)
- Mathematics (8) • English Language (8) • Art (8) • Music (7)
- English Literature (6) • French (6) • History (5)

EMPLOYMENT, WORK EXPERIENCE & VOLUNTEERING

Liverpool City Council (Sept 2019 –present)	Level 2 Swimming Teacher	Responsible for organizing and planning classes for beginners across several aquatics sites in Liverpool.
Down Syndrome Liverpool (Nov 2019-present)	Head Football Coach (Volunteer)	After the previous coach retired, I took it upon myself to take the FA Coaching qualifications to ensure this activity for athletes with learning difficulties was able to continue. I plan and lead weekly sessions, also taking responsibility for leading a team of assistant coaches.
Everton in the Community (June 2019-present)	Assistant Football Coach (Volunteer)	Working as part of a team to deliver weekly coaching sessions. Coached the Everton Down Syndrome team to Runners Up position in 2018 National DSActive tournament.
Garston Swimming Club (January 2017 – Present)	Swimming Coach (Volunteer)	Responsible for leading weekly training sessions for one lane of swimmers.
Handstand Productions Ltd. (Oct 2019)	Work Experience	Shadowing a filming crew and working in the editing suite of a local film company. Experience gained in teamwork as part of technical crew, including camera operation and editing software.
Smiley Sarah's Entertainments (Sept 2018 – July 2019)	Party Technician	Worked with a team of entertainers to deliver a range of events, I was responsible for setting up lighting and sound systems for each event.

PROJECTS (All completed myself with no external support)

JUNE 2017

TILT! - DESIGNED, CODED AND PUBLISHED MY OWN APP

- Took roughly 6 months to complete.
- Coded in C# using Unity game engine.

PRESENT

REFURBISHED 1950S RADIO - SALVAGED AN OLD BUSH RADIO AND CURRENTLY WIRING A RASPBERRY PI INTO IT TO MAKE A BLUETOOTH SPEAKER

- Disassembled the inner wirings of the radio, currently soldering a new circuit connecting its speaker and buttons to the raspberry pi.
- Next I'll be coding in Bluetooth capability and wiring in a circuit of LED status lights.

AUGUST 2019

SWIMMING LAP TIMER - DESIGNED, MANUFACTURED AND CODED A DEVICE WHICH TRACKS A SWIMMER IN A POOL AND RECORDS THEIR LAP TIMES

- Had the idea while on holiday in France and so had to work with limited resources.
- Built using a raspberry pi, coded in python and using OpenCV's object recognition software.

JANUARY 2018

VOICE ASSISTANT – PROGRAMMED A DEVICE THAT LISTENS FOR VOICE COMMANDS AND THEN EXECUTES THEM, PERFORMING A RANGE OF TASKS

- Built using a raspberry pi, microphones and speakers.
- Coded in python using the google assistant API.

JUNE 2019

PORTABLE INTERACTIVE WHITEBOARD – A DEVICE THAT RECOGNISES A GIVEN OBJECT AS A PEN AND THE TRACKS ITS MOVEMENT THROUGH 2D SPACE AND MAPS THIS ONTO THE WALL BEHIND

- Connected a raspberry pi to a camera module and a projector. Coded in python, using OpenCV software.
- Eliminates the need for a fixed whiteboard set up as this device can be set up anywhere using anything as a controller.

FILM PROJECTS – DIRECTED, PRODUCED AND EDITED A NUMBER OF FILMS OVER THE LAST YEAR

- My latest film 'Tiers' was entered into the Liverpool NOW Festival and won 'Most Cinematic Picture'.
- I've started to earn commissions producing promotional films for local organizations. Most recently I was paid by Blue Coat School to work on a number of videos for their "virtual open day".

OTHER QUALIFICATIONS

- **SWIMMING TEACHING LEVEL 2** (MAY 2021)
- **FA FOOTBALL COACHING LEVEL 1** (DECEMBER 2019)
- **DUKE OF EDINBURGH SILVER AND BRONZE AWARDS** (NOVEMBER 2018 AND 2017)
- **NATIONAL POOL LIFEGUARD QUALIFICATION** (JULY 2019)
- **SWIMMING TEACHING LEVEL 1** (FEBRUARY 2019)
- **ABRSM GRADE 4 CLARINET** (APRIL 2019)

ACTIVITIES & INTERESTS

- Water Polo - Player for Liverpool Men's Team and North West u18s and u16s
- Art
- Travel
- Football
- Film making
- Politics
- Music