

# Matthew David Wasylko

## Software Developer

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🚗 Full UK Driving Licence 🔄 github.com/MDW-94

🖱 matthew-wasylko-portfolio.vercel.app/

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### PROFILE

I completed my studies from the CodeClan / CodeBase 16-week, Professional Software Development course where I have acquired skills in Full-Stack software development. I am a career changer and prior to studying with code clan spent multiple years working within third-sector organisations that support vulnerable adults, managing chaotic behaviours and empowering individuals to recovery from addiction and to reach their full potential. I am actively seeking a software developer position where I can use my new technical skills and the skills I've acquired in Social Care and Housing to be a valued member of the ecosystem. Having worked in care I'm passionate about tech for good, green tech, as well as hold a keen interest in maps and creative technology.

### TECHNICAL SKILLS

Javascript

Python

SQL

React

ArcGIS

HTML

CSS

Flask

Java

R Markdown

CypressIO

Insomnia REST

Jinja2

Spring

Psycopg2

Git

MongoDb

IntelliJ

VSCode

Data Ethics

## PROJECTS

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10/2023 -  
10/2023

### **Navigate, Group Project, Full-Stack React - CodeClan / CodeBase** [🔗](#)

Navigate is a full-stack, location-data React app for social service managers to assign service users to different homeless shelters in and around the city of Glasgow. The idea came from my previous careers background, working in homeless shelters and harm reduction units. Using the ArcGIS, Javascript Maps SDK an interactive map of Glasgow is rendered. Fetching coordinate data from a MongoDB backend through Express adapters, the user is able to select a homelessness shelter and render it's position through a graphics point (popup) on the map. The modules included through the esri-loader: map, mapview, search widget, graphic and a graphics layer.

- ArcGIS
- React
- MongoDB
- Express
- Javascript
- HTML/CSS
- Insomnia

04/2023 -  
06/2023


### **Public Health Data Project - Scotland NHS, Admission & Mortality Data, Final Assignment, RMarkdown - University of Edinburgh** [🔗](#)

As part of the 8-week, online Health Data Science program. For my final assignment, I processed, cleaned and joined several database tables capturing admission and mortality data from NHS service around Scotland. This data was taken from the years of 2011 to 2020. I created two visualisation representing which demographics were affected most by which injury type. The conclusion was that the highest value of admission and mortality data is from females, over the age of 75 years suffering falling injuries. With this observation I produce a formal report on my findings including the .csv files and relevant code used to produce these visualisations.

- R
- RMarkdown

10/2023 -  
10/2023

## **DRAMM, Audio Visual Synthesizer, Group Capstone Project, Full-Stack - CodeClan / CodeBase**

**Deployment Link:** <https://dramm-synthesizer.vercel.app/> 

DRAMM is an interactive audio visual synthesizer which allows the user to change pitch and volume in realtime via touch and click/drag response. With a Java, Spring.io and MongoDB backend database the user can quickly save, name and load their preferred reverb and distortion settings for later use. Utilising the React framework, the users XY touch and mouse data is dynamically passed into Tone.js parameter settings of a prebuilt, digital synth me and my team designed. This data is also passed dynamically into Processing (p5.js) to affect visual sketches in a realtime, responsive display.

- React
- Java
- Spring.io
- MongoDB
- Tone.js
- P5.js (Processing)

08/2023 -  
08/2023

## **Pet Care Console, Solo Python Project - CodeClan / CodeBase**

A veterinary management application utilising CRUD functionality and date time functions. Pet Care Console was developed as my solo Flask project, the intention was to create an easy to use database UI for vet surgeons to manage admissions of pets and assigning them to services. Psycopg2 was used as the database adapter linking the PostgreSQL database to the Python, HTML/CSS frontend. A Flask framework was used for greater awareness and control over each stage of the development for the application.

- Python
- HTML/CSS
- Flask
- PostgreSQL & psycopg2

## PROFESSIONAL EXPERIENCE

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01/2022 -

07/2023

Glasgow,  
United Kingdom

### **Turning Point Scotland – Glasgow Drug & Alcohol Crisis Service, Support Practitioner**

Support practitioner within a team at the Glasgow Drug and Alcohol Crisis Service, a secure 3-week residential services providing a detox and recovery program for vulnerable adults. Skills include:

- Worked one-to-one and in team settings with vulnerable adults
- Worked with challenging behaviours, multiple addictions, mental health conditions
- Liaised with Healthcare and Legal professionals
- Received training in naloxone, drug awareness, mental health support and recovery group facilitation
- Facilitated group work programs including topics on recovery, mental health, life skills and drug awareness

10/2020 -

10/2021

Nottingham,  
United Kingdom

### **Framework Housing Association – Somewhere Safe To Stay Department, Support Worker**

Support Worker working in a team for Framework Housing Association, Somewhere Safe to Stay department. A residential service for rough sleepers and asylum seekers aiming to rehouse individuals within a period of 8-10 weeks.

- Partnership working – meetings with housing officers, outreach services and legal advisors to support long and short term rough sleepers
- Provided pastoral care and housing support to residents, completing triage assessments and incident reports
- Received training in DASHRIC, MARAC, social housing plus welfare benefit support for vulnerable adults
- Was made the Mental Health Champion of the service

10/2020 -

10/2021

Nottingham,  
United Kingdom

### **Protocol Education, Learning Support Assistant**

- Facilitation of classroom
- Management of course material
- Pastoral support for young individuals

- 10/2019 - 08/2020  
Nottingham,  
United Kingdom
- NMC COMMERCIAL LTD – Broadway Independent Cinema, Bartender – Front of House Staff**
- Worked independently and in a team providing high quality customer service
- 04/2018 - 01/2019  
Nottingham,  
United Kingdom
- Theatre Royal & Royal Concert Hall Nottingham, Casual Stage Technician**
- Casual stage technician working within a team, including joiners, electricians, theatrical production staff and directors.
  - Duties included the installation and dismantling of set scenery, lighting rigs, audio monitors and power supplies for touring shows including Matthew Bourne's Cinderella, Gary Barlow 2018 tour and smaller productions.
- 01/2016 - 04/2018  
Nottingham,  
United Kingdom
- Express Guitar – Independent Music Tuition Organisation, Guitar Tutor**
- one-to-one guitar lessons with students aging from 7 to 80 years in age.
  - managed bookings and study materials for +70 students including materials used for graded music examinations
  - Focus was on an innovative musical education system, putting the student first and building confidence in their ability to engage with musical education.

## EDUCATION

- 2013 – 2016  
Derby,  
United Kingdom
- Bachelor of Arts in Popular Music With Music Technology – First Class Honours, University of Derby**
- 01/2018 - 08/2020  
Derby,  
United Kingdom
- IOA Post Graduate Diploma – Acoustics and Noise Control – Incomplete (Deferred), University of Derby**
- 2011 – 2013  
Nottingham,  
United Kingdom
- Music Technology, English Literature & Music, Bilborough College**
- 2006 – 2011  
Nottingham,  
United Kingdom
- GCSEs – (8 GCSEs Completed), The Nottingham Emmanuel School**