

# RUARI MOLYNEUX

Software Engineer

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[github.com/ruarim](https://github.com/ruarim)



## ABOUT ME

An ambitious engineer with professional experience in front-end and back-end development, skilled in a range of technologies including React.js, Node.js, and Laravel. Proficient in the creative problem-solving process essential to building scalable and maintainable software solutions that effectively meet the needs of users. Dedicated to embracing and solving complex problems with a determined mindset. Committed to continuous exploration of technologies to identify the optimal tools for each project. Eager to expand engineering skills and contribute to the growth and success of the company.

## SKILLS

SIZE REPRESENTS KNOWLEDGE BASED ON EXPERIENCE

### FRONT-END



## EXPERIENCE

### PROJECTS

#### Glastonbury Set Finder - Typescript

June 2023 - Now

Next Js, Tailwind CSS, Spotify API

[GitHub](#)

[Deployed App](#)

[Video Demo](#)

An app that suggests performances for Glastonbury festival based on the user's Spotify liked tracks.

As of June 9th I'm still waiting for Spotify to approve the app for public use. See a video demo [here](#).

#### Auto-Pop - Typescript

May 2023 - Now

Plambo Extension Framework, Tailwind CSS, Chrome

Extension API, Nest Js, TypeORM, Turborepo

[GitHub](#)

[Chrome Extension](#)

A Chrome extension for Depop sellers that refreshes their products automatically, keeping them at the top of search results for potential buyers.

#### Pathfinder - Typescript, PHP

Dec 2022 - Now

Next.js, Laravel 8, Tailwind CSS, Headless UI, React Map GL,

React Query, React Hook Form, Railway.

[Deployed app](#)

[Frontend GitHub](#)

[Backend GitHub](#)

[Video Demo](#)

A web application designed to help plan the perfect evening out with friends.

- Leverages react-map-gl to provide an intuitive mapping interface that enables users to explore different venues and filter them by attributes.
- User authentication is implemented with Sanctum.
- Users can favourite venues, add ratings and leave reviews.
- The app generates a unique link that can be shared with friends, allowing them to join the event and view all the details.

## PROFESSIONAL

### SIMPLEWEB - FULL STACK DEVELOPER AND RESEARCHER

February 2022 - January 2022 (Company closed)

- Developed full stack solutions that met clients requirements, using React, Express JS, Next JS and Laravel.
- Experience as principle developer on projects reaching out to others with richer experience when required.
- Independently researched Web 3 technologies and built experimental proof of concepts using Next.js, Solidity, The Graph and Express.js
- Participated in client meetings.
- Worked in small effective teams to plan, organise and scope weekly or bi-weekly sprints.
- Delivered projects using LEAN and AGILE methodologies.

## UNIVERSITY

### SHEFFIELD HALLAM - COMPUTER SCIENCE BSc - 2:1 69.4%

SEP 2018 - MAY 2021

- Implemented a performant web server using TCP/IP, web sockets and multithreaded design patterns.
  - C++
  - [GitHub](#)
- Developed an end to end machine learning pipeline using twitter news sentiment to predict stock price movement.
  - Python/scikit-learn
  - [GitHub](#)
- Worked in a group of four developing a website for an energy company according to their requirements.
  - PHP/HTML/CSS/SQL/Javascript/XAMPP
  - [GitHub](#)
- Functional programming implementations of algorithms and data structures.
  - Clojure
  - [GitHub](#)
- Developed a suite of software instruments
  - C++/JUCE framework
  - [Synth](#)
  - [Sampler](#)
- Analysed and implemented fundamental algorithms and data structures, including pathfinding(A\*, Dijkstra's), stacks, queues, graphs, trees, hash maps, and arrays from scratch.

### QUALIFICATIONS

### SHEFFIELD HALLAM UNIVERSITY - COMPUTER SCIENCE BSC

2:1 (69.4%)

SEP 2018 - MAY 2021

### North Bristol Post 16 - 3 A LEVELS

SEP 2015 - JULY 2017

### REDLAND GREEN SCHOOL - 9 GCSES

SEP 2010 - JULY 2015

## INTERESTS

I enjoy art and culture, like music, books, paintings, and graphic design. Lately, I've been using my free time to learn screen printing.

Outside of work, you can find me socialising, watching live music, skateboarding or working on my personal software projects.