

## Employment

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Web Developer	Losource Ltd	Nov 2019 - Sept 2020
<ul style="list-style-type: none"><li>Developed the next generation of site components and templates to be used for new clients</li><li>Integrated WordPress with Gatsby-based frontends, pulling data through a GraphQL layer</li><li>Contributed upstream patches to Gatsby (JS) and WPGraphQL for Gravity Forms (PHP)</li><li>Developed statically-generated React &amp; Gatsby based frontends</li></ul>		
Graphics, Work Experience	Gill Graphics	March 2018
<ul style="list-style-type: none"><li>Created mock-ups of showcase booths using industry standard tools (Adobe etc.)</li><li>Learned about the business side of the Graphic Design industry, how the dynamic requirements of clients are met satisfactorily, with back and forth collaboration</li></ul>		

## Education

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Nottingham	University of Nottingham	Sept 2020 - July 2024
<ul style="list-style-type: none"><li>MSci Computer Science inc. International Year</li></ul>		2020/21, 2:1 (68%)
Halifax	The Crossley Heath School	Sept 2017 - June 2019
<ul style="list-style-type: none"><li>Computer Science, Photography, English Literature, Psychology</li></ul>		A*, A*, C, C

## Projects

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### Intelligent Monitoring and Reporting for Industrial Machinery

- For Intelligent Plant Ltd, built a monitoring tool for their app store, using C#/JS/Python
- Tracks and displays anomalies in industrial machinery (pumps et al.), optional email alerts
- Powered by a TensorFlow ML model to continuously detect operational anomalies
- Managed version control for our team of 7, developed over the course of a year

### Music Streaming Server

[github.com/etylermoss/go-music](https://github.com/etylermoss/go-music)

- Created a full-stack music streaming server, written in TypeScript with Node.js
- API endpoint uses GraphQL, models shared across front / backend
- Internal server-side SQLite3 layer, utilised through dependency injection
- Secure authentication and authorization for every resource / request, access control list model

## Technical Skills

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- Languages: C, C++, ARM, Java, Web, SQL, Python, Bash (et al.)
- Frameworks and Libraries: SDL2, TypeScript, Vue, Electron, Node, Express, React
- Tools: Git, Linux, QEMU, Docker, Adobe