

Ed Wong

Junior Full Stack Software Developer



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Enthusiastic developer with a particular interest in data visualisation and interactivity.

EXPERIENCE

UNIVERS LABS | TRAINEE SOFTWARE DEVELOPER

March 2022 - October 2022

- Worked closely with the lead developer to learn different languages and frameworks used in web development.
- Utilised previous expertise in machine learning and applied it to a new environment.
- Contributed on multiple projects for a variety of clients. Through these projects I gained experience with next.js, wordpress and strapi CMS. Experience with git while working in a small team. Projects include:
 - Rhinostics ROI calculator: rhinostics.com/roi
 - Xenonarc website: xenonarc.com
- Made redundant over company becoming insolvent.

PROJECTS

SHOE GENERATOR | REACT FRONT END, NODE AND PYTHON BACK END

2022

- Deployed an ML model to generate images of shoes: shoegen.universlabs.co.uk
- Developed with Pytorch, Docker, Node.js and React.
- Worked closely with the lead designer to ensure users had clear control over the creation tool.

LET THE WORDS OUT | REACT AND CANVAS

2022

- Worked with a local band to create a promotional webpage: letthewordsout.com
- Developed with React, canvas and d3. Integrated with a PostgreSQL database and knex.

EDUCATION

UNIVERSITY OF BATH | PHD IN COMPUTER SCIENCE

September 2018 - March 2022

- Researched machine learning models using Python and PyTorch. Pint of Science 2020 Coordinator and teaching assistant in multiple modules.
- Withdrew before submission to enter working in industry.

UNIVERSITY OF BIRMINGHAM | M.SC. IN COMPUTER SCIENCE (DISTINCTION)

September 2017 - September 2018

- Java was the main programming language learned, with some python too.
- Awarded the Distinguished Alumni Scholarship for excellent undergraduate degree.
- Achieved overall highest grade in the entire cohort.

UNIVERSITY OF BIRMINGHAM | B.SCI. IN MATHEMATICS WITH HONOURS (CLASS I)

September 2014 - September 2017

- Awarded the George Watson Scholarship for outstanding A-Level results.
- Awarded "Best Presented Project" in Mathematical Modelling and Problem Solving Module.

SKILLS

LANGUAGES AND FRAMEWORKS

Web:

- HTML
- CSS
- JavaScript
- TypeScript
- Node.js
- Next.js
- React
- d3
- matterjs
- threejs
- ammo
- Canvas
- SVG

Python:

- Python
- Pytorch
- Numpy
- SciPy

Other:

- SQL
- Git
- Docker
- Java

INTERESTS:

- Mathematics
- Data visualisation
- Game development

REFERENCES

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