

Chris Perceval-Maxwell (he/him)

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About Me

I'm finishing my undergraduate degree in Artificial Intelligence and Computer Science at Edinburgh University. Seeking software engineering / full-stack roles from August 1st, 2022 (preferably in Edinburgh, Glasgow or remotely). I've been a competitive swimmer for over a decade and have swam at a national level for 6 years – I have also represented Edinburgh University nationally and Scottish university students internationally. I'm a qualified lifeguard, certified in lifesaving, first-aid and the external defibrillator (AED).

Skills

Programming	Java, Python, Haskell, MATLAB, Bash
Web Development	HTML, CSS/SCSS, JavaScript, Node.js (with Express and Handlebars), Angular, REST APIs, Google Cloud
Other Languages	MySQL, PostgreSQL, Isabelle Proof Assistant, PDDL
Frameworks	Anaconda, NumPy, Pandas, Matplotlib / Seaborn, Scikit-Learn
Tooling	Git, Heroku, Docker, NPM
Software	Figma, Photoshop CS6

Experience

Dog Digital

Glasgow, SCOTLAND

WEB DEVELOPER (INTERN)

Jun. 2015

- I worked primarily with the back-end team as this was an area in full-stack I wanted to improve. During the course of the internship I also sat-in on team meetings.

Education

The University of Edinburgh

Edinburgh, SCOTLAND

BSC (HONS) ARTIFICIAL INTELLIGENCE AND COMPUTER SCIENCE

Sept. 2018 - May 2022

Predicted First Class

- OOP, Functional and Procedural Programming
- Machine Learning and Neural Networks
- Linear Algebra, Calculus, Probability and Discrete Mathematics
- Logic, Automated Reasoning and Proof Assistants
- Small and Large Team Projects

Extracurricular Activity

Edinburgh University Swimming and Water Polo Club

Edinburgh, SCOTLAND

COMMITTEE ROLES

Sept. 2019 - May 2022

Sponsorship & Fundraising Officer

- I negotiated with two local bars to sponsor EUSWPC for the academic year – this will fund paying for pool time, coaches, travel to competitions, etc.
- I led the club's Movember campaign 2 years in a row and created and a 2022 calendar featuring some of our club members, with all proceeds going to 'Health in Mind' – an Edinburgh based mental health charity. In total, we raised over £1600.
- I also led a week-long blood drive in association with GiveBlood4Good.

Social Secretary

- I organised online social events for our club, of over 150 members, during the height of the Covid pandemic.

Men's Captain - Club Squad

- I captained a squad of more than 20 swimmers for university league swimming matches.

Projects

Mechanising Applying Rules by Elimination, Proofs by Induction and Proofs by Cases in the Holbert Proof Assistant (Honours Project)

Edinburgh, SCOTLAND

THE UNIVERSITY OF EDINBURGH (SUPERVISED BY LIAM O'CONNOR)

Sept. 2021 - April 2022

[HASKELL](#) [HTML](#) [CSS](#) [🌐 chrisjpm/holbert](https://chrisjpm.com/holbert) [🌐 Holbert Demo](#)

- Holbert is a proof assistant for students with no prior experience in automated reasoning. It aims to be used in the classroom to aid the teaching of the foundations of programming languages. I enabled applying rules by elimination, and writing proofs by induction and cases.

Search Engine for YouTube Captions

Edinburgh, SCOTLAND

THE UNIVERSITY OF EDINBURGH

Jan. 2022 - March 2022

[HTML](#) [CSS/SCSS](#) [TYPESCRIPT](#) [IONIC](#) [🌐 chrisjpm/Swimming-Relay-Order-Calculator](https://chrisjpm.com/Swimming-Relay-Order-Calculator) [🌐 Website](#)

- Clips Ninja is a search engine for YouTube captions and returns relevant timestamps to watch from. I worked on the front-end

'Learn' Course Web-Page Redesign

Edinburgh, SCOTLAND

THE UNIVERSITY OF EDINBURGH

Sept. 2021 - Dec. 2021

[FIGMA](#) [🎨 Prototype](#)

- An improved UI/UX for viewing grades on a course web-page, created in Figma with partial interactivity.
- Grade: **70% (A3)**

System Design Project

Edinburgh, SCOTLAND

THE UNIVERSITY OF EDINBURGH

Jan. 2021 - April 2021

[HTML](#) [CSS](#) [JAVASCRIPT](#) [FIGMA](#) [PHOTOSHOP CS6](#) [PREMIERE PRO CS6](#)  DeliverED-Home  Product Website

- In a group of eight students, we were tasked to design and implement a complete system to solve some practical and useful problem.
- I designed all graphics and made the website to demonstrate our product. I also conducted usability testing for our Android app using a Figma prototype and a scripted interview with five participants.

Informatics Large Practical

Edinburgh, SCOTLAND

THE UNIVERSITY OF EDINBURGH

Sept. 2020 - Dec. 2020

[JAVA](#) [GEOJSON](#)  chrisjpm/inf3-ilp-cw1  chrisjpm/inf3-ilp-cw2

- A heat map to visualise the predictions of air quality sensor readings, partitioned into a regular 10×10 grid. And an application which calculates a flight path which visits as many of the sensors listed for that date as possible.
- Grade: **95% (A1)**

Swimming Relay Order Calculator

Glasgow, SCOTLAND

SHAWLANDS ACADEMY

Oct. 2017 - June 2018

[HTML](#) [CSS](#) [JAVASCRIPT](#) [NODE.JS](#) [EXPRESS](#) [HANDLEBARS](#) [MYSQL](#) [GOOGLE CLOUD](#) [HEROKU](#)  chrisjpm/Swimming-Relay-Order-Calculator

- Enters swimmers' details and personal best times through a form and select the requirements of a relay team. A report is generated on different combinations of swimmers and strokes with their total time sorted fastest to slowest.
- Grade: **100% (A1)**