

# Chris Perceval-Maxwell (he/him)

SOFTWARE DEVELOPER • FULL-STACK

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## About Me

I'm currently an eHealth Developer at NHS Lothian. I graduated from Edinburgh University with a First Class Honours in Artificial Intelligence and Computer Science. I was a competitive swimmer for over a decade and swam at a Scottish national level for 6 years – I represented Edinburgh University in Scottish and British League matches; and Scottish university students in the 2019 Celtics Tournament.

## Skills

<b>Programming</b>	Java, C#, Python, ObjectScript, Haskell
<b>Web Development</b>	HTML, CSS, JavaScript/jQuery, ASP.NET Core, Node.js, Angular, REST APIs
<b>Other Languages</b>	SQL/MySQL/PostgreSQL, Isabelle Proof Assistant, PDDL
<b>Tools/Software</b>	Git, IIS, SSMS, SSIS, SSRS, Figma, Justinmind

## Experience

### NHS Lothian

Edinburgh, SCOTLAND

EHEALTH DEVELOPER

Aug. 2022 - Present

C# ASP.NET CORE HTML CSS JS/JQUERY SQL OBJECTSCRIPT GIT IIS SSMS SSIS SSRS FIGMA JUSTINMIND

- At NHS Lothian I create applications for NHS staff, ranging from nurses and doctors in hospitals to system administrators.
- We use a scrum methodology and plan our sprints in 2 week cycles. I have led many of our sprint planning and retrospective meetings.
- I have gathered requirements from the client, managed the tasks and completed the majority of development for multiple applications.
- Projects that I have worked on have had a positive impact on the workdays of hospital staff. Notably, automating tasks that were previously completed by hand has sped up their workflow and mitigated human error.

## Education

### The University of Edinburgh

Edinburgh, SCOTLAND

BSc (HONS) ARTIFICIAL INTELLIGENCE AND COMPUTER SCIENCE

Sept. 2018 - May 2022

#### First Class

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

## Extracurricular Activity

### Edinburgh University Swimming and Water Polo Club

Edinburgh, SCOTLAND

COMMITTEE ROLES

Sept. 2019 - May 2022

#### Sponsorship & Fundraising Officer (2021/22)

- I negotiated with two businesses to sponsor EUSWPC for the academic year.
- I led the club's Movember campaign twice and created and a calendar featuring some of our club members. All proceeds went 'Health in Mind', an Edinburgh based mental health charity. In total, we raised over £1600.
- I led the club in a week-long blood drive in association with 'GiveBlood4Good'.

#### Social Secretary (2020/21)

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

#### Men's Captain - Club Squad (2019/20)

- I captained my squad of 20+ swimmers for university league swimming matches.

## Projects

### Holbert Proof Assistant (Honours Project)

Edinburgh, SCOTLAND

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

Sept. 2021 - April 2022

HASKELL HTML CSS 🌐 [chrisjpm/holbert](#) 🌐 Holbert Demo 📄 Thesis

- 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.
- Grade: **76% (A3)**

### 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)**