

# Meina Lin Wei

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## Education

BSc Artificial Intelligence and Computer Science (Hons)  
The University of Edinburgh

September 2019 - July 2023

*Relevant Coursework* - Introduction to Algorithms and Data Structures, Object-Oriented Programming, Foundations in Data Science, Introduction to Computer Systems, Functional Programming, Introduction to Linear Algebra, Calculus

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## Skills

- *Technical* - Java, Python, GitHub, Linux, C++. Basic knowledge in Haskell, Firebase, OpenCV, MIPS
  - *Web Design* - HTML5, CSS3, JavaScript. Basic knowledge in Django and React JS
  - *Language* - Fluent in spoken and written French and English.
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## Personal Projects

Personal Blog

GitHub: [MeinaLinWei/PersonalBlog](#)

- Built a personal blog/website using HTML5, CSS3 and JavaScript

Share It

GitHub: [Share-It](#)

- Built a platform where people can share and comment on pictures publicly and instantly using React JS and CSS3. They can also create and login into their personal account. Firebase is used for storage and user authentication

Face Mask Detector

GitHub: [Covid19-Mask-Detector](#)

- Built a program that detect if a person is wearing a face mask/covering properly in a picture, video and on live camera using OpenCV and Python3. The program will output an alert message if the person is not wearing the face mask/covering properly (did not covered either their nose or mouth, or both)
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## Extracurricular Activities and Clubs

HYPED - The University of Edinburgh Hyperloop Team

(Sep 2019 - present)

*Head of Software*

(Jun 2020 - present)

- Organised different workshops (Git/C++) for onboarding of new members (50+ participants) for HYPED
- Improved communication relations with the School of Informatics of the University and with other teams of HYPED
- Coordinated several discussions for different projects within the Software Team and between the Software Team and the Hardware Team of HYPED

*Software – Sensors Technical Lead*

(Feb 2020 - May 2020)

- Wrote C++ program to differentiate between black and white stripes painted on the wheels using Infra-Red sensors. A pulse is recorded when the sensor detects a change from black to white and vice-versa. A complete rotation of the wheel will result in 2 pulses recorded and thus the rate of rotation can be calculated

Google Get Ahead EMEA

(Jun 2020 - Aug 2020)

- Participated in an 8 weeks long program consisting of weekly coding challenges and workshops organised by Google

Oxford Hack 2020

(May 2020)

- Designed an online chatroom – PlantBuddy that allows users to chat with each other while growing a virtual plant
- Implemented the Front-End and animations part of the project using HTML5, CSS3, and JavaScript.

Hack Cambridge 101

(18<sup>th</sup> Jan 2020 – 19<sup>th</sup> Jan 2020)

*REPLY Challenge - 3<sup>rd</sup> place*

- Wrote C program to detect regions of high light intensity using a photoelectric sensor controlled by an Arduino. A solar tracker can be connected to the Arduino which will rotate solar panels towards regions of high light intensity.