

# Joe Thompson

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## EXPERIENCE & HACKATHONS

### IBM — Business Consultant & Operations Intern

September 2020 - September 2021

Formed part of the core team who were in charge of the rebranding of the iX Mobile service offerings. A mobile developer for two client facing teams helping the companies to advance their mobile presence. Part of the organising team for and participated in the first IBM iX Mobile Hackathon.

### Great Uni Hack, Manchester - (2019)

Programmed an Android app, which used machine learning to classify images of plants using an API. Included functionality whereby plants can be added to a map using google maps API and provide information on how often to water and how much Co2 the plant has absorbed.

### Morgan Stanley Coding Challenge, Manchester - (2019)

Created a machine learning algorithm that could play ultimate tic-tac-toe and go head to head against other bots.

### Student Hack VII, Manchester - (2018)

Programmed the Myo gesture-controlled armband to be playable on an open source Tetris game.

## EDUCATION

### The University of Manchester — 2:1 BSc Computer Science with Business Management with Honors with IE (2018 - 2022)

### Bradfield College (2012 - 2017)

A Levels: (A) Computer Science, (A) Mathematics, (B) Computer Science  
BTEC: (Distinction\*) Business Management

## PROJECTS

### Datachain — Blockchain Based Digital Degree

My final year project used Hyperledger Fabric's blockchain to store data on students' university degrees and modules which can then be viewed and shared through the website with a third party such as an employer.

### Soulbounder — SBT Token provider on the Ethereum blockchain

Currently creating a website and smart contract whereby users can easily create their own set of Soul Bound Tokens (SBTs) on the Ethereum blockchain. Makes use of IPFS as a decentralised storage provider.

### Pass the Time — Android application on the Google Play store

Used Android Studio to create a simple mobile game whereby the user is tasked with stopping the timer on exactly 0. Available to download on the Google Play Store.

## AWARDS

Winner of the AstraZeneca sustainability challenge from the Great Uni Hack.

Winner of the IBM iX Mobile Hackathon.

## LANGUAGES

- Java
- Python
- C
- HTML
- CSS
- Javascript
- MySQL
- Go
- Solidity

## TECHNOLOGIES

- Git
- Linux/Unix
- Tkinter
- Numpy
- LaTeX
- Eclipse IDE
- Android Studio