



London, England

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Website

# MANDEEP SANDHU

An aspiring software engineer with deep interests in software engineering, embedded, IoT and robotic systems. Passionate about Computer Science with knowledge in artificial intelligence and machine learning. Pride myself on ability to commit to learning difficult skills, tools and concepts. Aptitude for working autonomously or within a team. Determined to achieve outstanding results and delivering innovative and effective solutions. Have excelled in challenging endeavours outside of academia to develop a rounded and success-oriented character that will encourage development and achievement of long-term goals. Hold an overarching career aim of becoming a software professional.

## Experience

March 2019 - present

**Graduate Web Developer @ Storm Ideas - Edinburgh**

## Languages

Java / Kotlin

Python

C++

JS / HTML

SQL

## Knowledge

OOP

ML

Android

Algorithms

## Supplementary



**The Duke of Edinburgh's Bronze & Silver Awards**



**Play the guitar 10+ years**

**Brown Belt in Judo**

## Qualifications



THE UNIVERSITY  
of EDINBURGH

**2017 – 2018**

**M.Sc. Computer Science**



Brunel  
University  
London

**2012 – 2016**

**B.Sc. Computer Science and  
Artificial Intelligence First-class**

## Projects

### 2018 City Street Exploration (MSc Dissertation)

An efficient and novel routing algorithm for interest-based city street exploration



### 2018 Deep Learning

A Deep Learning project to classify music genres embedded in the data using Deep Neural Networks

[Course list](#)

### 2018 IoT Indoor Localisation

IoT system utilising Bluetooth beacons for indoor localisation

### 2017 IoT Step Tracker

IoT step tracking device interfaced to Android application that predicts steps using Machine Learning

### 2017 Planetary Rover Robot

Full-stack planetary rover based robot developed to sense, autonomously navigate and complete assigned tasks

### 2016 Neuro-evolution (BSc Dissertation)

Training neural networks using evolutionary algorithms



## Career Target

Software Engineer