Archit Sharma

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Notable Projects

◯ ANN Card Game Trainer | Personal Project
Sept'18-Ongoing
- Developing a neural network in C++ to suggest the most optimal move in an online card game
- Aim for public release to gather data on player behaviour and analyse patterns

◯ Climbing Logger | 2nd Year Group Project
Oct'17-Mar'18
- Developed an RFID system and website to log metrics in indoor climbing centres
- Created an SQL database and software interface, taking data from website and RFID system
- Pitched the product successfully to assessment board

◯ WiFi Buggy | 1st Year Group Project
Oct'16-Jun'17
- Designed and developed a WiFi controlled buggy with sensors to identify minerals
- As group leader, developed workplan and execution timeline as well as ensuring continuous communication between team members
- Wrote a technical report detailing the design process and performance of the buggy, which could identify minerals with 80% accuracy

◯ Solar Panel Optimisation | Personal Project
Dec'14-May'15
- Designed and developed a sun-tracking system for solar panel efficiency
- Increased average power output by 5%

Positions of Responsibility

◯ Sound Director | Drama
- Sound director of Imperial College Dramatic Society with responsibilities including: mgmt. & maintenance of equipment, client management & crew hire job arrangement
- Lighting and sound assistant for numerous shows since starting university
- Produced 2 shows for a large audience, managing a large group of creative people in an intense environment, working to deadlines

Education

Imperial College London
Oct'16-Jun'20
MEng Electrical and Electronic Engineering (predicted 2:1)

Bolton School Boys' Division
Sept'09-Jun'16
4 A-levels (3 A*'s, 1 A)

Core skills

C++
● ● ● ● ●

MySQL
● ● ● ● ●

TeX
● ● ● ● ●

MATLAB
● ● ● ● ◯

C
● ● ● ● ◯

Python
● ● ● ● ◯

PHP
● ● ● ◯ ◯

Verilog
● ● ● ◯ ◯

LTspice
● ● ● ◯ ◯

Assembly
● ● ● ◯ ◯