

RICHARD FOX

 **Location:** Leeds, England  **M:** [REMOVED]  **Richardalanfox1990@gmail.com**

SUMMARY

CCTV/ Fire/ Access Control Engineer by day and aspiring programmer by night: I began exploring coding in January, and now spending evenings and weekends learning concepts and progressing projects has become the norm. I have a passion for programming and my brain has always been wired for maths and logical thinking which is why I've found a natural gravitation towards this discipline.

I have a proven ability to adapt and learn new job roles and skills extremely quickly. Within a year I went from picking up my first drill, to running install and commissioning projects for a nationwide Gym contracts involving vast networking and logic based skills. Creating the planned structure then being able to identify the causes of problems and implement the solutions are key skills that come very naturally to me. Being a developer is what I love, making it my full time routine is my passion. See the links below for my portfolio website containing more information and quick visualizations of some of my projects.

HIGHLIGHTS

- **C++**
 - ⇒ Use of OOP, (pure) virtual/override functions, inheritance.
 - ⇒ Asteroid style game (Math, logic, velocity vectors, OOP)
 - ⇒ Creating custom data structures, linked lists.
 - ⇒ Working with pointers (raw, unique, shared)
 - ⇒ Time cost considerations of data structures and code.
 - ⇒ Stack, Heap, Global memory allocation.
- **Web**
 - ⇒ Portfolio Website (HTML, JS, CSS)
 - ⇒ Stock Trading site w/ real time API (SQL, Flask, HTML, CSS)
- **SQL Lite**
 - ⇒ Managing user credentials, searches, associated data.
 - ⇒ Table creation, joining, selection, insertion, sorting.
- **Git version control**
 - ⇒ Version control, Branching, Merging, Pushing to GitHub.
- **Python.**
 - ⇒ Object Orientated Programming, class inheritance.
 - ⇒ Manipulating assets/ files efficiently.
 - ⇒ Flask web programming project.
 - ⇒ SDL Tower Defence Game Project.
 - ⇒ Managing, sorting and referencing various data structures.
- **Unreal Engine 4**
 - ⇒ OOP, Assets, Actors, Interpolation, Blueprints.
- **Other**
 - ⇒ Sorting algorithms.
 - ⇒ Small Projects - Image editor, Puzzle game, Hangman.

LINKS

 All available at my portfolio site:  <https://richfox1990.github.io/>

ACADEMIC

11 **GCSE's** incl. - Maths B, English A, Science B,B, Electronics B, + more || **A-Level** - Mathematics, Media Studies

Professional Certificate in Computer Science (Harvard CS50x) - 95% complete

JOB HISTORY

- 01/2020—Current* — **Fire, Access control, Auto door install and service engineer** — C.C.S.S Ltd
- Switched jobs to learn and learn new disciplines in my industry (Fire alarms, Intruder and more)
 - Fixed various existing systems with ongoing issues using my fault finding and methodical approach.
 - Excelled in the new fields and offered more senior role overseeing projects on site.
- 09/2018 01/2020* — **Commissioning Engineer** — Vistec Systems Ltd
- Promoted to Commissioning engineer responsible for multiple projects and engineers
 - Software /app integration; client management; Liaising with project managers, foreman, contractors and scheduling works.
- 05/2018—09/2018* — **Service Engineer** — Vistec Systems Ltd
- Became lead of a new team; trained new engineers on install standards and access control knowledge.
 - Extensive fault finding knowledge gained on new and existing large systems.
 - Created new working practices and designed install standards material for the company.
- 08/2017 - 05/2018* — **Installation Engineer** — Vistec Systems Ltd
- Access control, CCTV, Intruder, ANPR; installation responsibility for multimillion pound gym company
 - Collaborated with multiple contractors on large install projects .
- 2012 - 07/2017* — **Management in Retail** — W Boyes & Co Ltd
- Managing a team in an ever changing customer environment and problem solving to hit daily and weekly goals.