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**GITHUB:** https://github.com/Adam-I07

# PERSONAL PROFILE

I am a second-year student, studying BSc Computer Science at the University of Derby, currently on target to achieve a first. I am highly motivated and organised individual, with an immense passion for the work I do. I take interest in learning new programming skills and create projects in my spare time as a hobby. I am a quick learner and pick up new skills fast, whether this is learning new languages, algorithms or data structures. My experience has demonstrated my skills in working to strict deadlines whether it is alone or within a team of colleagues.



# KEY SKILLS (All source code can be seen on https://github.com/Adam-I07)

* Familiar with C, C#.
* Currently learning Python, SQL, C++

**Password/Card detail storage application**

* Used C# WinForms to implement an application that stores the details of the users current Password and Credit Card information that they input. Demonstrating the use of WinForm documents to take input from the user and save to a text file. The usage of interfaces and classes to implement new card options, pulling saved user data and demonstrating error checking and data validation.

**Higher Or Lower Game (Independent Project)**

* Used C# WinForms to create a game application that generates a random number between 1 and 100 and allows the user 10 guesses in which they must guess the number or the game will automatically be over. Demonstrating the use of WinForm documents to take in user input and output a solution depending on their input. Error handling on inputting any value that isn’t an integer.

**Calculator(Independent Project)**

* Used C# to create a calculator that allows the user to input two digits and will return an answer rounded to the 2nd decimal place. Demonstrated the use of user choice, according to that doing a calculation from values inputted by them finally looping a program while error checking every aspect to stop the program from breaking.

**Password Generator (Independent Project)**

* Used C# to create an application that gives the user numerous password options to choose from, depending on their choice the algorithm will generate a random password. Demonstrating the use of a Menu for a user to choose options from, also the use of generating random strong passwords different every time. Also the use of classes to loop the program to keep it running until the user chooses to quit.

**RPG Game(Independent Project)**

Used C# to create a text-based game that allows the user to create a character and then takes input from the user, depending on the input will give the user a scenario depending on their input. This project demonstrates the use of error handling stopping the code from breaking at any point, the use of classes to let the user create a character who has money health and through out the game they will gain money from their actions and lose health, if they get to zero they are dead the game stops, demonstrating the use of user choice within the game.



# EDUCATION

|  |  |
| --- | --- |
| **Computer Science BSc**  *University of Derby* | 2020 - Present |
| **A Levels: Business (C), Computer Science (E),**  **Geography (C)**  *Derby College Joseph Wright Centre* | 2018 - 2020 |
| **6 GCSEs grades 6-5, Level 2 Pass IT** | 2013 - 2018 |

## Saint Benedict Catholic Voluntary Academy



# EXPERIENCE

**Trading Assistant**  (July 2020 – August 2020) (May 2021 – February 2022)

## Sainsbury

* Interacting with customers while operating the tills is key to give them the best customer service skills possible, increasing my confidence dealing with all types of customers.
* I also work as part of a team ensuring we are collectively able to complete the tasks at hand.

Working in a consistently fast paced environment which has taught me time management skills and perseverance



*References available upon request*

