

## David Hesketh

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### Personal Statement

I am an intelligent, driven, Game Software Development Graduate from Glasgow Caledonian University. Over the course of my university career I have gained extensive programming experience in C++ and C#, developing games and phone apps using visual studio integrated development environment and the Unity3D game engine. I hold experience with Java 8 in a variety of non-game related projects and have been advancing my core software development competencies through the Mthree Alumni Training program for Financial Technologies. Over the course of this training I have gained knowledge of Database Management in KDb+ and SQL in addition to enhancing my knowledge of Bash Scripting in the Red Hat Enterprise Linux Environment.

### Education

#### 2014 to July 2018

BSc with 2:1 Honours: Computer Games Development (Software Development), Glasgow Caledonian

Graduate of the MThree Alumni IT Consultant training course for Financial Technologies

#### 2008 – 14

Advanced Highers: Computing(C)

Highers: Computing (B), Mathematics (B), English (B), Modern Studies (C), Physics (D)

### Relevant Skills

Java Development:	Theoretical and practical Java experience in non-game related software development for mobile and PC. Projects include, the development of a traffic tracking app. Developed in the Android Studio IDE which parses and displays relevant information from the Traffic Scotland website through use of the XML Pull Parser. In addition to this, I have made use of design patters to develop further Java applications, notably, I made use of the factory pattern to develop an application to determine an appropriate soring algorithm. I have also used my knowledge of multithreading to create a benchmarked algorithm for the “Top 3 words from a Book” problem in both multithreaded and single threaded solutions.
Linux and Bash Scripting:	Strong knowledge of Bash scripting using RedHat enterprise. I have made use of netstat, ps, awk, grep, sed, vi and ln in the creation of a coursework. One such project determined the tree of child and ancestor processes for a given process up to 3 generations, and for

each process displays the command and associated network connections. Also created was an archiving script that archives standard files into a date-based folder format.

Database Development:	Over the course of my work experience and training in the Alumni Training program of Mthree I have gained experience in the use of SQL commands including the use of constraints and joins. Additionally, I have been provided training in KDb+ and Q development.
Communication Skills:	Developed working in Arvato Financial Solutions over the past three years as a collections agent. In this capacity I have been working in the financial sector to collect outstanding debt and aid in dispute resolution where disputes arise. These skills have enhanced my ability to effectively communicate with those who may not have English as a first language or who may require explicit or careful explanation of complicated concepts.

### **Relevant Work Experience**

01/06/2015 – 28/06/2018:	Part Time Collections Agent at Arvato Financial Solutions, working to target based collections and ensuring high quality of call through regular call monitoring and quality assurance training. Have been provided training in use of Eon Energy's ICE and Collect systems and the Caseflow Collections recording system.
June 2012 – Current:	Work experience as a clerical assistant, this has taught several skills such as to balance a till, how to take payments politely and quickly and how to do basic date-based filing in both digital and hard copy.
Summer 2018:	2 weeks work experience in the development department of Arvato Financial solutions where I was given SQL and ASP.Net training for the development of call centre applications.
Summer 2013:	I did student work experience in the global business Exterity designing and implementing long-term and short-term tests for their IPTV systems. I learned quickly how their systems operated and carried out all responsibilities in an efficient and timely manner.

### **Achievements and Interests**

- Completed the Engineering Visions Intensive Program 2017 in Trollhattan Sweden
- Lead Developer of Bright Void (available: <https://play.google.com/store/apps/details?id=com.BrightVoidTeam.BrightVoid>)