

# Rashid Hafez

Computer Scientist | AGILE Software Developer

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## Summary

### **I Graduate on 20<sup>th</sup> June 2019:**

Enthusiastic software developer and 3D programmer. I have attained a vast amount of invaluable skills over the years. Parallel programming (HPC), concurrency and 3d Graphics are aspects which intrigue me the most. I have experience programming on Windows and Unix based environment, visual studio and XCODE. I love working in a team and pitching great ideas.

### **Dissertation (See my website for more details):**

My dissertation is a researched based project which mainly includes researching methods to partition calculations larger than the device's memory capacity onto a Graphics Processing Unit by programming data parallel partitioning methods in CUDA.

## Skills

- |           |  |
|-----------|--|
| ➤ CUDA    | ➤ Java   |
| ➤ C++     | ➤ Linux/Unix   |
| ➤ C#      | ➤ HTML/CSS   |
| ➤ Blender | ➤ Agile Software Dev/SCRUM/XP/<br>Project Management |
| ➤ OpenGL  | ➤ Data structures and Algorithms                     |

## Educational Qualifications

### **Honours Computer Systems (BSC) 2015–2019, Heriot Watt University:**

**Year 4 (Est 1<sup>st</sup> class):** 3D Graphics and Animation, Network Security, Game Programming, Rigorous Software Engineering, Networking Applications.

**Year 3 (60%):** Operating Systems and Concurrency (85%), Data communications and Networking(65%), Professional Development (61%)

**Year 2 (61%):** Hardware Software Interaction, Database Management Systems, Interaction Design

**Year 1 (60%):** Interactive Systems, Software Development, Logic and Proof

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## Heriot Watt Foundation Entry Programme for Engineering 2013–2014 (75%):

Entry Maths (76%), Entry Physics (79%), Academic English for Engineering (80%), Approaches to Learning (63%).

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## Sir William Ramsey School (Buckinghamshire) AS Levels 2012–2013 (60%):

Psychology, Business, IT and Media

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## Dubai British School GCSE 2010–2012:

Information Technology, English, English Lit., Maths, Chemistry, Biology, Physics, Psychology, Business, Geography.

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## Work Experience

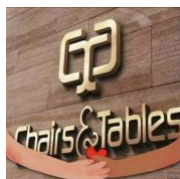
Heriot Watt University. <https://www.hw.ac.uk/>



### Sept 2018 – Present: Assistant Supervisor Software Development – Computer Science Lab

Currently working for Heriot Watt University Computer Science Dept in debugging and assessing student computer programming. Helped in Software Development for various students as well as on the spot problem solving. Computer languages involved included: C, C++, Java, XML

### Tables and Chairs



### June 2015–September 2015, Sales Advisor:

Responsible for territory sales in Dubai. Grew healthy pipeline of selling chairs and tables, managed to add several new customers to the company.

## Hobbies and Interests

- I have a strong passion for programming, games and visual effects.
- I've worked on programming a game in LWJGL, an OpenGL Java library.
- Co-founded the Graphics Society in university  
<https://www.hwunion.com/societies/6297/>
- I also have compiled my own Gaming PC from scratch.
- I'm writing a book, which one day would be developed into a game.
- Bilingual in English and Arabic