

## Joshua Gardner | Computer Science Graduate

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Website: [joshw-g.github.io/home/](https://joshw-g.github.io/home/)

### Professional Profile

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Throughout my Education I have achieved high grades in Modules, Gaining experience in Multiple programming languages (e.g. C++, Java, Python) and paradigms. As well as in many different applications such as Graphics, Computer Vision, CNN, Modelling, Image processing, Networking, Security, Web development & design.

I have experience in Image Processing and OpenCV in both Python, C++ and MATLAB, working with many aspects of Java (Sockets, GUI, Junit, Maven and tomcat), Python scripting, Database management using MySQL & SQLite, SQL with Java & Python back-end. Research and technical skills in Object detection, Convolutional Neural Networks and Machine learning. Web development with HTML, CSS, JavaScript. Graphical work in OpenGL/GLSL, Blender, Processing and agent based modelling in NetLogo.

### Projects/Portfolio

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I have developed multiple projects/applications both individual and team work. Some of the projects I have worked on include; an app to find the nearest doctors in the Gwynedd area, for my dissertation/final year project I gained experience in using CNN's and object detection using TensorFlow in Python to detect specific foods in MRI Scans. Which I will be presenting at CGVC 2020

Projects Available @ <https://github.com/JoshW-G>

Website @ [joshw-g.github.io/home/](https://joshw-g.github.io/home/)

### Skills

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|-------------------------------------|--|---------------------------|
| • C/C++                             | • OpenCV                               | • MATLAB/Simulink         |
| • Java<br>(Maven, Tomcat, Junit)    | • Machine<br>Learning/Deep<br>Learning | • HTML/CSS/Java<br>Script |
| • Python                            | • Processing                           | • NetLogo                 |
| • Databases<br>(MySQL, SQL, SQLite) | • OpenGL                               | • Blender                 |

### Educations & Qualifications

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BSc (Hons) 2:1

BSc Computer Science

Bangor University (*Prifysgol Bangor*) 2020

MSc Advanced Computer Science at University of Birmingham 2020 -