Daniel Lamb

Curriculum Vitae

Education

2010–2014 **MEng Computer Science**, *The University of Bristol*.
First Class Honours, Breakdown: 2nd year: 67%, 3rd year: 73%, 4th year: 69%

2008–2010 **A-Levels**, *The Henley College*.
Maths A, Geography A, Computing B

2008–2010 **AS-Levels**, *The Henley College*.
Further Maths B, Chemistry C

2003–2008 **GCSEs**, *Icknield Community College*.
11 GCSE passes including Mathematics grade A* and 6 grade A's

Masters Thesis

Title *Automatic Carried Object Detection using RGB-Depth Sensor*

Supervisors Dr Dima Damen

Description This thesis developed a background subtraction method based on depth information and integrated it with an existing Carried Object Detection algorithm. This produced a system capable of detecting carried objects and separating individuals walking in groups with greater accuracy than previously possible.

Experience

Vocational

2013 **Summer Intern**, Scott Logic, Bristol.
Completed an 8-week summer Internship with Scott Logic, Bristol. Worked alone on a R&D project into Collaborative Filtering, with a particular interest in its applications in Big Data. The output of the project was a wiki page for the company and a 45-minute presentation to the Bristol office.

2012 **Summer Intern**, ST Microelectronics, Marlow.
Completed an 8-week summer Internship with ST Microelectronics, Marlow. Worked in the North Europe Competence Centre doing testing work on set-top box software, identifying and reporting any bugs found so they can be fixed earlier in the development pipeline.

Awards

2013 Top 10 overall mark in the year at University of Bristol - Awarded a Netcraft prize.

Computer Skills

Strong	JAVA, C#, C++, C, HTML5, JAVASCRIPT, CSS, SQL, MATLAB, OPENCV, LaTeX, Windows
Intermediate	PYTHON, PHP, JSP, Photoshop/Gimp, Linux, 3D Modelling/Animation, Amazon Web Services

Notable Projects

Personal

Paulo The Panda	*Designed, created and released an Android app, during summer 2011, which has now received over 4,500 downloads.*

University

Latexify	*Developed a cloud application in a group of 3 using Java and JSP, hosted on Amazon Web Services.*
GDP	*Developed a novel Automated Trading Agent algorithm for a mini stock exchange by combining the strengths of two successful algorithms, GD and ZIP.*
Duality	*Developed a multiplayer online FPS PC game in C#, as part of a group of 6.*
Ray Tracer	*Developed a Ray Tracer in C++ to render reasonably complex scenes.*
3D Modelling / Animation	*Designed and modelled several 3D scenes and animations using Autodesk Maya.*
SoundShare	*Designed and implemented a website from scratch called SoundShare, a social networking website centred around sharing and rating music.*

Personal Statement

I studied MEng Computer Science at the University of Bristol, where I graduated with First Class Honours this summer. I am therefore at a stage in my life where I am considering what I would like to do as a career.

I am a very driven worker and always want to achieve something great whenever I approach a project. It is the sense of achievement one gains that first attracted me to the computing industry, as you can work on something that could provide entertainment or a service to people all around the world.

Interests and Hobbies

I am very passionate about sport and particularly enjoy playing football, cricket and tennis with friends. Keeping fit and enjoying myself outdoors is important for me as it gets me away from the keyboard.

I love to travel and experience different cultures all over the world, although I haven't had as many opportunities as I would like to do so. My favourite place I have been to is Imlil, Morocco; a small, picturesque town in the middle of the Atlas Mountains.