

Michael Francis Clarke

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Date of Birth: 16th July 1987

Highly motivated, friendly, dependable and enthusiastic first class masters graduate with extensive experience and a wide skill base; currently studying for a PhD in Computer Science. Willing and able to work in a team or independently and always looking for new challenges and opportunities.

Relevant Work Experience

Sep '06 – Present

University of Wales, Aberystwyth Part Time Module Demonstrator/Advisor/Lecturer

- Demonstrated on 7 different modules, from first year all the way up to final year students.
- Produced and delivered lecture material as a guest lecturer during my undergraduate degree and now more regularly as a postgraduate.
- Communicated effectively both on a one-to-one bases and to a large group of students.
- Worked as part of a team of demonstrators to more effectively help students.

Aug '08 – Oct '09

Sun Microsystems Ltd. UK CA Coordinator & Community Manager

- General management of 22 students working for Sun as ambassadors at their respective universities, including:
 - interviews and hiring,
 - regular reviews and professional/personal development,
 - development and delivery of presentation materials,
 - regular conference calls and
 - allocation of resources.

Jun '07 – Aug '08

Sun Microsystems Ltd. Global Services Lab Engineer (MEng Industrial Year)

- Software and tool development in Perl, Java and Shell Scripting.
- Maintenance of production servers including hardware/software installation and repairs, both UNIX and Windows based.
- Provided training, technical support and troubleshooting to lab users.
- Acted as a mentor for new students both in Germany and the UK.
- Gained considerable knowledge and understanding of a wide range of Sun's hardware and software products including technologies such as ZFS.

Courses and Training:

- Solaris Administration Parts 1 & 2.
- Sun Fire High-End (Starcat) E15/25K Servers.
- Sun Fire Midrange (Serengeti) Servers.
- Sun SPARC Enterprise T5120/T5220 Server Mobile Lab.
- Solaris 10 Operating Systems Internals.
- Advanced Solaris Crash Dump Analysis.

Education

Sept '10 – Jun '13 **Aberystwyth University**
PhD Computer Science

My current research is in autonomous collaboration between robotic systems for the automated surveying of glaciers and underwater currents in Greenland.

Sept '05 – Jun '10 **University of Wales, Aberystwyth**
MEng Software Engineering (1st Class Hons.)

Included a team building residential weekend during the first year and covered many modules, the most relevant of which include: Small Real-Time Systems , Agile Methodologies , Formal Methods in Software Engineering , C++, C and Java Programming , Forensic Computing.

Dissertation Title:

Development of a Control System and Simulator for a Skid-Steer Amphibious Vehicle.

1998 – 2005 **Ysgol Dinas Bran, Llangollen**
June '05 A Levels: ICT (A), Design and Technology (B), Physics (D).
June '04 CCNA 1 and CCNA 2 (Cisco Certified Network Associate).
May '04 OCR Level 2 Certificate in Enterprise (Young Enterprise) (Credit).
June '03 GCSEs: 11 subjects, grades A* - C including D&T, Physics, ICT and Maths.

Technical & Computing Skills

Languages: x86 assembler, C/C++, Java & J2EE, PHP, Perl, C# (Mono), SQL.
OS: Linux (specialising in Gentoo), UNIX (Solaris), Windows (95 – 7).
Dev. Envs: Eclipse, NetBeans, Mono Develop, Visual Studio, vi/vim.
Databases: MySQL, PostgreSQL, limited experience: Oracle 10G and Sybase.
General: Microsoft Office, Open Office, LaTeX, BASH, ksh, etc.

Additional Skills

- Competent at communicating and working with others in a team or group.
- I have keen analytical and problems solving skills.
- Enthusiastic about improving my own knowledge and learning.
- I am self motivated and always enjoy a challenge.
- I have excellent time management skills.
- I have good presentation skills, having given various presentations and lectures.
- Full clean UK driving license.

Publications

- Clarke, M. and Blanchard, T. "*Development of a Control System for a Skid-Steer Amphibious Vehicle*", in proceedings of TAROS 2010, Plymouth, UK, Aug 31st – Sept 2nd 2010.

Interests

- I find low level Operating System design fascinating and am currently reading various books on the Linux Kernel and the Solaris Kernel. I have a personal project developing a small operating system.
- I enjoy reading and am currently reading Tom Clancy's "The Teeth of the Tiger".
- I enjoy driving and enjoy tinkering with all things mechanical and electrical.
- I am currently learning to play the Guitar and when I have any time spare I am a keen swimmer.

References available on request.