

# Christopher A. Nicolson

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Dennistoun  
Glasgow  
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## PROFILE

As an Electronic Engineer with a small opto-electronic systems, components and instrumentation company, I have developed skills in embedded system design of safety critical measurement systems, from prototype stage to product installation. Collaborating with specialist engineers as well as sales & marketing teams, I have a proven record of delivering flexible and reliable systems.

## PERSONAL DETAILS

Date of Birth: 25/07/1982  
Driving License: Full, clean  
Marital Status: Single

## SKILLS

*Languages & Software:* C, Java, M16C, PIC, AD21xx and x86 assembler, Office packages, AVR32 Studio, Eclipse IDE, Codewarrior IDE, IAR Embedded Workbench, LaTeX  
*Operating Systems:* Linux, Windows, FreeRTOS, OSEK RTOS

## EXPERIENCE

*Electronic Engineer* *Sep. 2008 - Present*  
OptoSci Ltd., Glasgow

- Wrote and maintained the firmware and supporting software for a safety critical optical gas detection and measurement system. Emphasis was on a reliable and scalable system capable of monitoring hundreds of individual sensor points in an un-manned environment. Also responsible for the maintenance of legacy firmwares and software of other products.

*Summer Intern* *Summer 2004*  
TSD Platform Team, Agilent Technologies, South Queensferry.

- Undertook a project to research and prototype alternatives to Network File System with emphasis on finding a more secure solution. Skills required include research, good communication and initiative.

*Summer Research Student* *Summer 2003*  
Smartlab research group, Department of Computer and Information Sciences, University of Strathclyde.

- Developed an anonymous sensor system for the work environment to be used for ubiquitous work environments. Abilities exercised include group work and initiative.

*Lab Demonstrator* *Term-time, 2002 onwards*  
Department of Computer and Information Sciences, University of Strathclyde.

- Providing learning support for undergraduate class lab exercises. Required a patient, understanding attitude and helped develop communication skills.

**EDUCATION***University of Strathclyde, 2005 - Present*

- PhD in Engineering Programme.  
Research into the use of dynamically re-configurable distributed probes to analyse and monitor IEEE802.11 Wireless networks.

*University of Strathclyde, 2000 - 2005*

MEng with Merit in Computing and Electronic Systems with Business.

- Classes include: Advanced Microprocessor Applications, Distributed Information Management, Computer Security, VHDL, VLSI, Network Performance and Design, Computer Architecture and Design, Operating Systems, Analogue & Digital Electronics, Software Correctness, Systems Analysis and Design, Software Architecture, Signals and Systems, Low Level Programming, Information Transmission and Security, Communications Networks, Distributed Systems, Control Engineering, Marketing, Accounting, Statistics, Professional Issues, Law for Engineers, Algebra & Calculus

*Hamilton Grammar School, 1994 - 2000*

CSYS	Mathematics I	B
	Mathematics II	A
Higher	Computing	C
	English	B
	Physics	A
	Chemistry	B
	Music	A
	Business Management	A

**ACHIEVEMENTS**

- Committee member of the IEEE Strathclyde Students branch
- President of geekSoc, a university society which aims to promote personal and peer learning throughout computing and other technical fields using extra curricular projects activities.
- Duke of Edinburgh Silver Award
- Boys Brigade Queens Badge - awarded for achievement in Company knowledge, Personal Development, Leadership and Service to the Community

**INTERESTS**

As well as taking an extra curricular interest in all ranges of technology which I keep up to date through online resources and the IEE and IEEE journals, I also have a keen interest in playing sports, my favourite pursuits being ultimate and kayaking. I also enjoy reading fiction by authors such as Robert Llewellyn and Terry Pratchett. I have an interest in music, both listening to a variety of performers and playing the clarinet and whistles. I am an active member of the Scottish Linux Users Group and I also enjoy experimenting with different recipes in the kitchen.

**REFEREES**

Available on request