Simon Frankau St John's College, Cambridge, CB2 1TP.

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Date of Birth:	17 April 1979
Marital Status:	Single
Nationality:	British

Education:

• 2000–present:	University of Cambridge: PhD in Computer Science (in progress)
	"Hardware Synthesis from a Stream-Processing Functional Language"
	Investigating the use of limited functional languages to describe
	algorithms for implementation in hardware. The focus is on treating I/O
	ports as lazy lists and investigating possible evaluation models.
• 1997–2000:	University of Cambridge: BA (Hons) in Computer Science
	Part IA: First in Maths with Computer Science
	Part IB: Top First in Computer Science
	Part II: High First
	Final year dissertation was a synthesis tool to convert static Java bytecode
	to RTL Verilog.
• 1992–1997:	Wycliffe College, Gloucestershire
	A-levels in Mathematics (A), Further Mathematics (A), Physics (A),
	Chemistry (A) and Computing (A). STEP Maths II (1) and III (S).
	6 A*s, 4 As at GCSE.

Experience:

• 2000-present:	Undergraduate Teaching
	Computer Laboratory, University of Cambridge
	Supervised students for courses including Java, Electronic CAD, VLSI,
	Logic and Proof, Computer Design, Compiler Construction, Computation
	Theory and Computer Graphics and Image Processing.
• 2000:	Graphics Engine Developer
	Frontier Development, Cambridge
	Developed new mesh management system from scratch, including level of
	detail and shadowing.
• 1995:	Tester and Junior Programmer
	MRG Systems, Stroud
	Work experience leading to a Summer job testing, debugging and
	extending a display system manager.

Technical Skills:

- Development experience in C, Java, ML, Verilog and C++.
- Knowledge of other languages including assembly language (ARM, MIPS, x86, Z80), scripting (Bourne shell, Python, Perl) and interpreted languages (Lisp, Prolog, Smalltalk-80, PostScript).
- Development using Unix tools (including make, CVS, lex/yacc) and MS Visual Studio.
- Linux system administration (Debian) including Bind and Apache (including 4 years managing college student webserver).
- Good writing skills, document preparation with LATEX.
- Wide computer science knowledge including algorithms, compiler design, computer architecture, graphics and operating systems.
- Highly motivated and fast learner.

Papers and Awards:

- "Stream Processing Hardware from Functional Language Specifications" with A. Mycroft, HICSS-36
- Addison-Wesley Prize in Computer Science, 1999
- Gummer Scholarship (St. John's College, Cambridge)
- Wright Prize (St. John's College, Cambridge)

Interests:

- Reading: Classic novels, science fiction and computer science
- Music: Listening, classical piano (grade 7) and electric guitar
- Go (5 kyu) (oriental "surrounding chess")
- Judo (4 kyu)
- Mathematics
- Travel

Referees:

Available on request