Resumé

Personal Information

Family name:	CROFTS	Title: MR.
First name(s):	DAVID ASHLEY SUTTON	
Preferred name:	DAVID	

Citizenship: AUSTRALIAN

Date of Birth: 23/02/1961

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Education

Bachelor of Science,   University of Melbourne (1982).

Subjects	Result
Computer Science	
622-101 Computer Programming Fundamentals	A
622-102 Data Structures	C
622-103 Programming Applications	B
622-202 Numerical Methods (B.Sc.)	B
622-212 Data Management	C
622-251 Computer Programming & Organisation	A
622-252 Programming Systems	A
622-253 Operating System Fundamentals	A
622-303 Heuristic Programming	C
622-311 Logical Design	A
622-312 Advanced Data Structures	B
622-313 Computer Design	C
622-330 Fundamental Structures	B
622-332 Operating Systems	B
622-333 Real Time Systems	C
622-335 Theory of Computation	D
622-340 Software Engineering	B
622-345 Programming Methodology	C
622-351 Data Base Management Systems	C
Physics	
640-121 Mechanics (Adv)	A
640-122 Electromagnetism (Adv)	A
640-123 Modern Physics, Wave Motion (Adv)	B
640-199 Laboratory Work	A
640-222 Optics & Relativity (Adv)	D
Mathematics	
618-131 Analysis	B
618-132 Algebra & Geometry	A
618-152 Differential Equations	A
618-231 Real Analysis (Adv)	D
618-233 Linear Algebra (Adv)	B
618-235 Methods of Complex Analysis (Adv)	D
618-253 Vector Analysis (Adv)	A
618-254 Methods of Mathematics (Adv)	C
618-263 Linear Programming & Optimisation	F
Statistics	
619-251 Probability	D
619-252 Statistical Inference	D

Education (cont.)

Higher School Certificate,   Haileybury College, Keysborough (1978).

Subjects	Result
Physics	A (Special Distinction)
Chemistry	A
Pure Mathematics	A
Applied Mathematics	A
English	E

Details of prizes or awards received whilst at school and university.

The Graham Holmes Prize for Physics 1978

Form VI Prize 1978

Form IV Prize 1976

Dux of Form IIID 1975

Junior Government Scholarship 1974

Form II Prize 1974

Experience outside academic institutions

Casual farm labour   1968 - 1978   Employer - E.H.B. Neill

Operating hay making machinery   1976 - 1978   Employer - E.H.B. Neill

Landscape gardening & Handyman work   1983 - 1984   Employer - R.M.S. Crofts

Computer Operating (MVS/JES3)   1985 - 1986   Employer - The Shell Company of Australia

While operating I was allowed to perform the following Shell operator tasks :-

- simple job restart support
- IPLing and shutting down the system
- executing the daily batch run
- executing the housekeeping suite
- monitoring shell's extensive network
- operating the printers
- mounting tapes
- doing the dispatch duties

I believe I was promoted to systems programming because of the many useful tools I wrote for the operators in my spare time. These include a tape query from the operator console and many others.

Systems Programming (MVS/JES3)   1987 - 1989   Employer - The Shell Company of Australia

I was competent at using most MVS system components such as TSO and ISPF. I could write assembler, PL/I and clist. I could program ISPF from clist, and both assembler and PL/I programs. While system programming at Shell I wrote several assembler exits for MVS and JES3. One of my tasks was assisting in the maintenance of HSM, IBM's Hierarchical Storage Manager. My most outstanding achievement was modifying the account code computer resource accounting system to use RACF and providing an ISPF management tool for the manipulation of RACF account codes.

Part Time Assistant Bowling Green Keeper   1991 - 1999   Employer - R.M.S. Crofts

Computerising and Managing

The Berwick Cemetery Trust Register   1991 - 2005   Employer - R.M.S. Crofts

Before I used Microsoft Access to computerise the Cemetery Register all records were stored on paper in date of burial order. Now that the Register is computerised it is now longer necessary to search the entire Register for a simple Surname query. I have also written software that allows the automatic generation of Section Maps at regular intervals. The Section Maps take the form of a Web Page because of the ease in which tables can be generated using HTML. Please note that I had to manually enter all Register records in to Microsoft Access.

Emergency Berwick Cemetery Secretary   1994 - 2005   Employer - R.M.S. Crofts

Developing the ERMHA Website   2000 - 2002   Employer - Eastern Regions Mental Health Association

I was able to convince ERMHA that I could make them a satisfactory Home Page easily and cheaply. They decided on a minimal home page in preference to more expensive options.

Tape Mounting Contract (MVS/JES2)   2001   Employer - Computer Science Corporation

I mounted cartridges for CSC an outsourcer for one and a half months under contract from PAXUS in Clayton.

Programming Languages I have used

370 assembler

Basic

C/C++

Cobol

Clist

Fortran

HTML

JCL

JOL

Pascal

PL/I

Prolog

Z80 assembler

Programming Systems/Packages I have used

Borland C/C++

Ingres

Linux

Microsoft Access

Microsoft Excel

Microsoft FrontPage

Microsoft Visual C++

Microsoft Word

MVS/JES3/JES2

Palm OS

TSO/ISPF

Unix

Windows 3.1

Windows 98

Windows 2000

Windows XP

Windows 7

Windows 8

Windows 10