

CURRICULUM VITAE

Edwin Stanley Peer

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PERSONAL INFORMATION

Surname: Peer

First names: Edwin Stanley

Residential address: Pierre van Ryneveld
(full address available on request) Centurion
South Africa

Postal address: P.O. Box 11863
Die Hoewes
Centurion, 0163

Telephone number: +27 83 657 4005

Email address: edwin@peer.co.za

Date of birth: 6 August 1979

Age: 31

Gender: Male

Place of birth: Munich, Germany

Nationality: South African

Identity number: 790806 5203 082

Marital status: Married

Religion: Christian (protestant)

Home language: English

Second language: Afrikaans (speak, read, write)

Health: Excellent

Driver's licence: Code EB – light motor vehicle
(also attended BMW's advanced
collision avoidance and skid
control course – September 2005)

Criminal offences: None

Hobbies / interests: Music (drums), Hi-Fi, Amateur
Radio, Rallies, Entrepreneurial
Ventures, Economics

EDUCATION

SECONDARY EDUCATION

- School attended:** Clapham High School (Pretoria)
- Highest standard passed:** Matriculated with university exemption (1997)
- Subjects passed:** English (1st language level)
Afrikaans (2nd language level)
Mathematics
Science
Accountancy
Biology
(All with distinctions on higher grade)
- Awards:**
- Service:**
Technical service (1995, 1996, 1997)
- Shooting:**
School colours (1996)
- Academic:**
Colours (1995, 1996, 1997)
Top 10 (1993, 1994, 1995)
Top academic (1996, 1997)
- Honours:**
Awarded school honours (1996)
- Leadership roles:**
Captain shooting team (1996, 1997)
Class captain (1996, 1997)
Member of SRC executive committee (1997)
Computer centre prefect (1996, 1997)
School prefect (1997)
- Extra mural activities:** Shooting (1993 – 1997)

TERTIARY EDUCATION

University attended: University of Pretoria, South Africa (1998 – 2004)

Degrees obtained:

BSc: Information Technology : Computer Science

Passed with distinction (Conferred, March 2001)

Awards: ISIS Software engineering award

Awarded for the best software project by a group of final year students in Computer Science.

Academic Honorary Colours

Awarded by the student representative council for academic excellence.

Medal of the vice-chancellor and principal

Awarded for the best achievement in all the undergraduate study years in any scientific field at the University of Pretoria.

BSc (Hons) : Computer Science

Passed with distinction (Conferred, April 2002)

Awards: Roelf van den Heever / EPIUSE prize

Awarded to the best student in Computer Science at honours level.

Academic Honorary Colours

Re-awarded by the student representative council for academic excellence.

NRF Bursary

Awarded by the NRF (National Research Foundation) to the value of R8 000 towards the completion of this degree.

MSc : Computer Science, specialising in Computational Intelligence

Passed with distinction (Conferred, April 2005)

Awards: Academic Honorary Colours

Re-awarded by the student representative council for academic excellence.

NRF Bursary

A prestige bursary, awarded by the NRF (National Research Foundation) to the value of R66 000 towards the completion of this degree.

(Full university academic record is attached as an appendix)

PUBLICATIONS

Using Neighbourhoods with the Guaranteed Convergence PSO

E.S. Peer, F. van den Bergh, and A.P. Engelbrecht

In proceedings of the IEEE Swarm Intelligence Symposium, April 2003, Indianapolis, IN, USA

CIRG@UP OptiBench: A statistically sound framework for benchmarking optimisation algorithms

E.S. Peer, A.P. Engelbrecht, and F. van den Bergh

In proceedings of the IEEE International Congress on Evolutionary Computation, December 2003, Australia

A Serendipitous Software Framework for Facilitating Collaboration in Computational Intelligence

Edwin S. Peer, MSc dissertation, October 2004

Building Sustainable Collaborative Research Software

E.S. Peer, A.P. Engelbrecht and F. van den Bergh,

Submitted for review, South African Computer Journal

Solutions to Open Source Risk Assessment: How and When Can Open Source Projects Be Classified As Mature?

Edwin Peer

In proceedings AMC International: Open Source Impact 2006, Johannesburg, South Africa

RESEARCH GROUPS

Alumni of CIRG (Computational Intelligence Research Group)

Department of Computer Science, University of Pretoria, <http://cirg.cs.up.ac.za/>

CILib: Computational Intelligence Library

<http://cilib.sourceforge.net/>

Founded the CILib project, which is a collaborative software platform for performing research in Computational Intelligence. CILib is a framework for implementing and performing empirical studies using particle swarm optimisers, ant systems, neural networks, evolutionary algorithms and fuzzy logic. The initial version of the framework was registered as a SourceForge project in January 2003 and has acquired a number of registered developers since then. In addition, the Computational Intelligence Research Group at the University of Pretoria has opted to standardise on developing within the CILib framework for all new research commencing as of January 2004.

Linux Kernel: Sentech My Wireless Driver Submission

Submitted on behalf of the original author.

Rosegarden: Ensoniq MR76 Midi Map

Developed the configuration for the Ensoniq MR76 keyboard and submitted for inclusion in the Rosegarden project.

Abacus Content Manager

<http://sourceforge.net/projects/abacuscm/>

Assisted in the initial design and specifications for the project, which is software utilised for managing the running of the IBM sponsored ACM contest in South Africa.

Linux Kernel: Board support for MXM-8x10 and iControl / SafeTCam platform

<http://git.kernel.org/?p=linux/kernel/git/torvalds/linux-2.6.git;a=commit;h=1f3b536be7bfb3930cf7dc6d995d82877f25d6cf>

Reworked the original board support code for the Embedian MXM-8x10 development board and followed through to mainline inclusion.

EMPLOYMENT HISTORY

Pretoria News

(1994, 1995) - News paper delivery

Toit's Nissan

(September 1997 – October 1998, part time) - Cashier

Digital Peripheral Services

(December 1997, holiday job) - Technical support

Clapham High School - <http://www.clapham.gp.school.za/>

(November 1997 – December 2009, ad hoc consulting) - System administration

Computer Science Department, University of Pretoria - <http://www.cs.up.ac.za/>

(November 1998 – December 2001) - Technical support and system administration

Obsidian Systems

<http://www.obsidian.co.za/>

(April 2000 – October 2000) - Contract programmer

Computer Science Department, University of Pretoria - <http://www.cs.up.ac.za/>

(August 2001 – November 2003, part time)

Lecturer (Advanced programming)

Information Science Department, University of Pretoria - <http://is.up.ac.za/>

(July 2002 – November 2003, part time)

Lecturer (Introductory programming and advanced mark-up languages)

Raspberry Solutions

(2004, part time) - Linux consultant

Leaseware

(January 2005 – December 2009) - Managing Director

Open Track Studios

<http://www.opentrack.co.za>

(August 2005 – present day) - Director

Revelation Systems, now DataCyte

<http://www.datacyte.com/>

(March 2007 – August 2008)

Senior Developer

Traffic Management Technologies

<http://www.tmtservices.co.za/>

(September 2008 – February 2011)

Senior Developer

It Is Electronics

(October 2008 – present day) – Director

SOCIETY INVOLVEMENT

Pretoria Amateur Computer Club

(1993 – 1998, club disbanded due to lack of affordable meeting place at the time)
Served on committee for arranging speakers for meetings during 1998.

OS/2 User Group

(1994 – 1999)
Member.

Pretoria Amateur Radio Club – <http://parc.org.za>

(1994 – present day)
Served as club newsletter editor, a monthly publication, January 1995 to April 2000.
Served as club web master, November 2005 to January 2008.

Novell User Group (Netware)

(1997 – 2000)
Member.

Computational Intelligence Research Group – <http://cirg.es.up.ac.za>

(2001 – present day)
Alumni

Java User Group of South Africa

(2003 – present day)
Service in capacity of chairman 2005 - 2009

Tuks Linux User Group – <http://tlug.up.ac.za>

(2003 – present day)
Founding member.

Mr. Richard Taggart

Head master, Woodhill College

<http://www.woodcol.co.za>

rtaggart@absamail.co.za

+27 83 447 2097

Prof. Andries P Engelbrecht

Professor, Department of Computer Science, University of Pretoria

<http://www.cs.up.ac.za/~engel>

engel@cs.up.ac.za

+27 12 420 3578

Prof. Derrick G Kourie

Dept. head (1998 – 2002), Department of Computer Science, University of Pretoria

<http://www.cs.up.ac.za/~dkourie>

dkourie@cs.up.ac.za

+27 12 420 5266

Prof. Theo Bothma

Department head, Department of Information Science, University of Pretoria

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Ms. Reinet Chatre

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Mr. Eddie Dunkley

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+27 83 379 6891

Mr. Gert D Lubbe

Director, Open Track Studios and Advocate

<http://www.opentrack.co.za>

glubbe@opentrack.co.za

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FULL ACADEMIC RECORD: UNIVERSITY OF PRETORIA**Bsc: Information Technology: Computer Sci. 1998, Full-time**

WTW114	Calculus	78	Pass with distinction
INF170	Informatics	**	Exempted pass
WTW115	Discrete structures	88	Pass with distinction
WTW126	Linear algebra	70	Pass
WTW128	Calculus	82	Pass with distinction
COS110	Program design	95	Pass with distinction
COS120	Program design	97	Pass with distinction
WST110	Mathematical stats	88	Pass with distinction
WST120	Mathematical stats	91	Pass with distinction
WTW112	Dynamical systems	75	Pass with distinction
WTW123	Numerical analysis	77	Pass with distinction

Bsc: Information Technology: Computer Sci. 1999, Full-time

COS222	Operating systems	90	Pass with distinction
COS284	Computer arch.	97	Pass with distinction
WTW218	Calculus	67	Pass
WTW211	Linear algebra	84	Pass with distinction
INF270	Informatics	86	Pass with distinction
COS221	Data bases	90	Pass with distinction
COS213	Adv programming	87	Pass with distinction
WTW220	Analysis	81	Pass with distinction
WTW285	Discrete structures	92	Pass with distinction
WTW221	Linear algebra	84	Pass with distinction
ERR220	Computers	91	Pass with distinction

Bsc: Information Technology: Computer Sci. 2000, Full-time

COS301	Software engineering	84	Pass with distinction
COS314	Artificial intelligence	95	Pass with distinction
COS324	Distributed systems	97	Pass with distinction
COS333	Programming lang.	92	Pass with distinction
COS341	Compiler construction	94	Pass with distinction
COS332	Computer networks	95	Pass with distinction
WTW385	Discrete structures	93	Pass with distinction
COS343	Trends in IT	93	Pass with distinction

Bsc(Hons): Computer Science. 2001, Full-time

GRF780	Graphics	95	Pass with distinction
KMI780	Artificial intelligence	89	Pass with distinction
PGT780	Programming lang.	100	Pass with distinction
RNW780	Computer networks	96	Pass with distinction
PIN781	Adv. software eng.	97	Pass with distinction
DCP780	Data compression	100	Pass with distinction
KVM780	Machine learning	93	Pass with distinction
FAC751	Formal aspects	100	Pass with distinction

Msc: Computer Science, 2002 - 2004, Full-time

RKW890	Computer Science	88	Pass with distinction
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