

Personal details

Name	Bodey Royce Baker
Mobile	090 2187 2933
Email	bodeybaker@gmail.com
Date of Birth	5th October 1984
Visa	Working Holiday Visa
Current Date	May 12, 2008

Skills

Teaching

I have attended the "Seminars, Tutorials and Laboratories" teaching course at the University of Western Australia. Following this I tutored the units "Modelling and Computing Analysis for Engineers" and "Mechatronics Systems" for one semester.

English Knowledge

Familiar Operating Systems Linux 2.4-2.6, UNIX, Mac OS X, Windows/NT/XP

I am comfortable and proficient both coding and installing software on each of these operating systems and regularly switch between them for work, university and recreation.

Programming Java, C, C++, MATLAB [*Used Extensively*]
PHP, xHTML, CSS, Javascript [*Used Occasionally*]
Bash, Haskell [*Familiar*]

Theory Artificial Intelligence, MultiAgent Systems

My computer science honours thesis involved gaining an understanding of the theory, applications and current research in both of these areas. Further information about my computer science thesis can be found in the Education section.

Algorithms, Computer Vision, Visualisation, Parallel Computing

University has given me a strong grounding in these topics which was then applied over my iVEC Internship and subsequent research work.

Familiar Hardware Cray XT3, AIBO ERS-7

CAD Software Autodesk Inventor, SolidWorks

Visualisation Software Amira, Dristi

Office Software MS Word, latex

Engineering Robotics, Embedded Systems

Mathematics Linear Algebra, Statistics, Control Theory

Modelling Dynamic Systems, Static Systems, Electrical Circuits, Vibration

Work History

Graduate Software Engineer

January 2008 - March 2008

Wrote programs to visualise the out put of log files using Visual Studio, including the coding of DLL's. Other duties were the modelling of parts for a road rail vehicle using Autodesk Inventor.

JRB Engineering
24 Drummond Pl.
West Perth WA 6005
Australia

Tutor	July 2007 - November 2007
Tutored the units “Modelling and Computing Analysis for Engineers” and “Mechatronics Systems” at UWA. Work consisted of teaching and marking.	The University of Western Australia 35 Stirling Hwy. Crawley WA 6009 Australia
Research Assistant	March 2007 - December 2007
Continued the work from my iVEC internship on analysing the variation of roughness features with direction across a rock surface, eventuating in a paper.	CET at The University of Western Australia 35 Stirling Hwy. Crawley WA 6009 Australia
iVEC Intern	December 2006 - March 2007
Completed a summer research constructing an algorithm to analyse the properties of a rock surface from 3D geometric data. While working on this project I gained practical skills in visualisation, super computing and algorithm design.	University of Western Australia 35 Stirling Hwy. Crawley WA 6009 Australia
Clerk	2004 - 2006
Worked as a clerk within a pressured time constrained environment with responsibilities including closing the store and handling money.	Mothers Foods Nedlands WA Australia

Education

Computer Science Honours (2A)

Completed	2006
Institution	The University of Western Australia
Thesis	Strategy specification for teamwork in robot soccer
Units:	
Computer Vision	High Distinction
Scientific Communication	High Distinction
Visualisation	High Distinction

Bachelor of Computer Science and Engineering

Began	2003
Time Left	One year
Institution	The University of Western Australia
Majors	Computer Science and Mechatronics
Units:	
Algorithms for AI	Distinction
Embedded Systems	Distinction
Algorithms	Distinction
Robotics and Automation	Credit
Real-time Distributed Computer Systems	Credit
Concurrent Programming	Credit
Computer Architecture	Credit
Operation Systems	Credit
Professional Computing	Credit
Mechatronics Systems	Credit
Control and Mechatronics	Credit
Manufacturing	Credit
Software Eng. Design	Credit
Engineering Dynamics	Credit

Secondary Education

1999-2001	Manjimup Senior High School
TER	95.55 percentile
TEE subjects	Calculus, Applicable Mathematics, Physics, Chemistry, Geography, English

Scholarships and Prizes

- 2007** Top of the Computer Science honours unit “Scientific Communication”
- 2006** Commonwealth Accommodation Scholarship
- 2001** Institute of Engineers award for attaining a TEE score above 75% in:
Chemistry, Physics, Calculus and Applicable Mathematics.
- 2000** Australian Mathematics Competition High Distinction
- 1996** Citizenship Award

Publications

B. Baker, K. Gessner, E.J. Holden, and A. Squelch, *Automatic detection of anisotropic features on rock surfaces*, Geosphere, Geological Society of America, (April 2008), 4(2):418-428

B. Baker, M. Reynolds and W. Liu, *Strategy specification for teamwork in robot soccer*, PCAR '06: Proceedings of the 2006 international symposium on Practical cognitive agents and robots (New York, NY, USA), ACM Press, 2006, pp. 129–140.

B. Baker, K. Gessner, E.J. Holden, and A. Squelch, *Automatic analysis and visualisation of rock surface roughness*, Deformation in the desert (Alice Springs, Northern Territory, Australia), Tectonics & Structural Geology, Geological Society of Australia, July 2007

Professional affiliations

Engineers Australia Student member

Electrical, Mechanical

UWA Association of Mechatronics Engineers

President 2007	Organised events to educate students about mechatronics and provide links with industry. Organised weekly BBQ's.
Social Engineer 2006	

UWA Computer Science Students Club

Vice-President 2006
Ordinary Committee Member 2005

Interests

Soccer, Martial Arts, Rock Climbing, Acrobatics, Capoeira, Open Source Software, Artificial Intelligence.

Referees

Jim Blair Managing Director JRB Engineering West Perth WA +61 4 1904 1710 JimBlair@jrbeng.com.au	Dr Klaus Gessner Senior Lecturer University of WA Crawley WA +61 8 6488 7148 kgessner@cyllene.uwa.edu.au	Dr Mark Reynolds Associate Professor University of WA Crawley WA +61 8 6488 2279 mark@csse.uwa.edu.au
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CENTRE FOR THE ADVANCEMENT OF TEACHING AND LEARNING

Bodey Baker

has participated in workshop and associated
activities to successfully complete the program

Seminars, Tutorials and Laboratories

Goals:

- To better understand the purpose of seminars and tutorials and the role of tutor;
- To establish and maintain a supportive learning environment that recognises and accommodates diversity;
- To have a range of strategies from which you can draw to engage students in the learning process;
- To be able to address management issues in the classroom

Content:

The workshop assists teachers in maximising student learning in small-group settings such as seminars, tutorials and laboratories

Activities:

The workshop models the facilitation of a small group teaching session using group discussions, exercises, and activities.

Duration:

4 hours

Date:

27 July 2007

30 July 2007

DATE

June Hong

Pro Vice-Chancellor (Teaching & Learning)



School of Computer Science and
Software Engineering

The University of Western Australia
35 Stirling Highway, Crawley WA 6009

Phone + 61 8 6488 2716
Fax + 61 8 6488 1089
Email head@csse.uwa.edu.au

MBDP: M002
CRICOS Provider Code : 00126G

10 January 2007

Mr Bodey R. Baker
42 Williams Road
NEDLANDS WA 6009

Dear Mr Baker

HIGHEST MARK – CITS7200 SCIENTIFIC COMMUNICATION

On behalf of the staff of the School of Computer Science & Software Engineering, but particularly Dr Lyndon While, I would like to congratulate you on achieving the highest mark in the above unit for 2006.

It is a pleasure for all academics to teach students who achieve such good grades in their subjects and who thus contribute to the intellectual life of the School. I wish you all the best in your future studies.

Yours sincerely

Dr Nick Spadaccini
Head of School

cc Dr Lyndon While - Unit Coordinator

AUSTRALIAN MATHEMATICS TRUST

2000

AUSTRALIAN MATHEMATICS COMPETITION
FOR THE CHALLENGE BANK AWARDS



CERTIFICATE OF HIGH DISTINCTION

BODEY ROYCE BAKER

MANJIMUP SENIOR HIGH SCHOOL

YEAR ELEVEN

SENIOR DIVISION

PAULENE KIBBLE
PRESIDENT
CANBERRA MATHEMATICAL ASSOCIATION

DON AITKIN
VICE-CHANCELLOR
UNIVERSITY OF CANBERRA

PETER TAYLOR
EXECUTIVE DIRECTOR
AUSTRALIAN MATHEMATICS TRUST

 CHALLENGE BANK



COMMONWEALTH LEARNING SCHOLARSHIP

This certificate commemorates
the awarding of a
Commonwealth Learning Scholarship to

Bodey Royce Baker

The Hon Julie Bishop MP
Minister for Education, Science and Training
Minister Assisting the Prime Minister for Women's Issues

This
Certificate

is awarded to

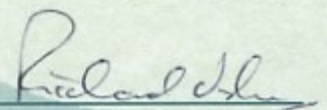
Bodey Baker

in recognition of
Outstanding Achievement
in attaining a score of above
75% in the tertiary entrance subjects

Chemistry
Physics
Calculus
Applicable Mathematics

26 October 2001

Date



Director
WA Division