

Bodey Baker

5th October 1984

Experience

Assistant English Teacher, W5 Staff Services

May 2008 - February 2009

I taught english to primary and junior high school students. My duties included planning lessons, teaching and generally encouraging and communicating with the students.

Graduate Software Engineer, JRB Engineering

January 2008 - March 2008

I 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.

Tutor, The University of Western Australia

July 2007 - November 2007

I tutored the units "Modelling and Computing Analysis for Engineers" and "Mechatronics Systems" at UWA. Work consisted of teaching and marking.

Research Assistant, CET at The University of Western Australia

March 2007 - December 2007

I continued the work from my iVEC internship on analysing the variation of roughness features with direction across a rock surface, eventuating in a paper.

iVEC Intern, University of Western Australia

December 2006 - March 2007

I 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.

Clerk, Mothers Foods

2004 - 2006

I worked as a clerk within a pressured time constrained environment with responsibilities including closing the store and handling money.

Education

2006: Computer Science Honours (2A), The University of Western Australia

2011: Bachelor of Computer Science and Engineering, UWA

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

Interests

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

bodeybaker@gmail.com
0420901219

Skills

Operating Systems

Linux

UNIX

Mac OS X

Windows XP/7

Programming

Java

C

Python

C++

MATLAB

PHP

xHTML

CSS

Theory

Algorithms

Artificial Intelligence

MultiAgent Systems

Computer Vision

Visualisation

Parallel Computing

CAD Software

Autodesk Inventor

SolidWorks

Visualisation Software

Amira

Dristi

Office Software

MS Word

L^AT_EX

Engineering

Robotics

Embedded Systems

Modelling

Dynamic Systems

Static Systems

Electrical Circuits

Vibration

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

UWA Association of Mechatronics Engineers

President 2007, Social Engineer 2006

UWA Computer Science Students Club

Vice-President 2006, Ordinary Committee Member 2005