Adham Beykikhoshk

10, Dartmoor Drive, Highton, VIC3216, Australia

Telephone: ++61 470 756284   email: adhambeyki@gmail.com

Date of birth: 1st of August, 1984

Education

PhD Student, Deakin University, Geelong, Australia, 2013 - Now

Probabilistic Modeling of Online Autism Data

MSc in Artificial Intelligence, University of Southampton, UK, 2011 - 2012

- Dissertation Title: Gait Recognition using the Microsoft Kinect (graded 77/100)
  Supervisors:
    - Dr. John N. Carter, University of Southampton
    - Prof. Steve R. Gunn, University of Southampton
- GPA: 77/100, Honoured by first class with distinction
- Projects and papers
    - Object detection for an autonomous wheelchair using Microsoft Kinect, building an obstacle avoidance system using depth images
    - A comprehensive survey on different 3d reconstruction and acquisition methods
    - Designing and building a handwritten character recognition system
    - Using the Kalman filter and Lasso optimisation method to model the S&P 500 Index
    - Designing and implementing an RBF network to price option values in UK stock market
    - An optimisation approach for solving N-Queen puzzle with Hopfield-Tank network (and comparison with constrained GA)
    - An comprehensive survey on different approaches to solve N-Queen Problem
    - Daisy-World, a survey
    - Proposing a new method to increase the viability duration in the Diasy-World
    - Earthquake prediction using seismic monitoring and neural networks
    - Designing and implementing a knowledge based system to identify birds using CLIPS

BSc in Electrical Engineering with emphasis on Control Systems, KNTU (Khaje Nasir-e-Din Toosi) state University of Technology, Iran, 2002 – 2007

- GPA: 70/100
- Dissertation Title: Simulation and Implementation of a PID Auto-Tuner for an Unknown Industrial Process using Optimisation Methods, (graded 98/100)
  Supervisors:
    - Prof. Ali Khaki Sedigh, KNTU University of Technology
    - Dr. Houman Sadjadian, IUST Uinversity

- Stock Market Estimation Using Polynomial Neural Network (PNN), 9th ISCEE, 2006, Iran

High School, Danesh High School, Iran, 1998 - 2002
- GPA: 98/100

Employment

March 2009 – September 2011
- FMSCo (Fakoor Meghnatis Spadana), No. 14, 20th Alley, Qaem Maqam-e-Farahani Street, 7th Tir Square, Tehran, Iran
  - IT Manager

February 2010 – September 2011
- ParsaCo (International Engineering Company), No. 5, Shabtab Alley, North Qeytariyeh, Tehran, Iran
  - IT Consultant

September 2010 – September 2011
- Sadad Machine Company, No. 12, North Razan Street, Mirdamad 13 Boulevard, Tehran, Iran
  - IT Consultant

January 2007 - November 2008
- Karino,No. 1488, Madani Street, Resalat Square, Tehran, Iran
  - IT Manager

Language Skills
- Persian/Farsi: mother tongue
- English: Fluent, IELTS overall 8 (Listening: 8.0, Reading: 8.5, Writing: 7.5, Speaking: 8.5)
- Arabic: Intermediate

- Member of robotic group, KNTU, 2003 - 2004