

Sepehr Pakbaz

Shahid Beheshti University Tehran, Iran

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Objective: PhD, Research Position in management information system, computer science, Mathematical modeling

RESEARCH

My principal research interests lie in the field of Management Information systems, specifically Information post processing more precise methods using artificial intelligent techniques. I am currently investigating the possibility of human made cryptographic hash functions for one-way generating of passwords using simple mathematical functions with arbitrary parameters.

My future research plans are to build on the foundations of my PhD to further develop models and tools in artificial intelligence, and computer simulations. I will focus on general concept of computer science as well as information processing algorithms focusing on mathematical modeling of systems and processes.

Also, I have another research topic that I am currently working on as quantitative analyst which is developing more sophisticated algorithms based on firm's financial data.

EDUCATION

American University of Cyprus, Girne, TRNC

M.Sc. Honors in Management Information System

2009

Honor Thesis: "Business aimed social network web application featuring web 2.0"

Shahid Beheshti University Tehran, Iran

B.S. in Physics

2006

Areas of concentration: Nanophysics, Superconductivity

Minor: Solid State

Project: "one-dimensional simulation of the hall thruster"

TEACHING EXPERIENCE

American College of Cyprus, Girne

Advance level teacher – ICT and Physics

2008-2009

A-Level teacher and Lab instructor of Physics and ICT based on GCE London examinations

American University of Cyprus, Girne, TRNC

Part time lecturer assistant – "Documents and tutorials preparation."

2007

MIS department assistant of Prof. Dr. Chris Payne.

Shahid Beheshti University Tehran, Iran

Part time Lab Assistant – preparing equipments

2004

Optics and modern Physics laboratory instructor assistant

RELATED EXPERIENCE

Proper Develop (limited incorporation, Tehran, Iran)

Contract Programmer

2004 - 2006

Programming in Java and C# for different platforms and web development projects using different technologies such as PHP and ASP.NET.

Accepting academic or research projects in C++, Visual Fortran, Matlab and mathematica.

Producing software packages as well as maintaining and support after sale.

Sadre Sanat Oil industry civil engineering company, Tehran, Iran

Computer Network Administrator

2006 - 2007

Company network administrator, intranet maintenance.

Fistik Computer, Nicosia, Cyprus

Technical Support, Web developer/designer

2007

Professional IT advisor, company web developer and programmer.

PUBLICATIONS AND PAPERS

- "Water drop wave function simulation (in Physics)"
Wolfram Research, Source: <http://library.wolfram.com/infocenter/MathSource/5555/>
- "Business aimed social network web application featuring web 2.0"
GAU online publications, Cyprus, 2009

LANGUAGES

- English – speak fluently and read/write with high proficiency
- Persian – native.

SKILLS AND QUALIFICATIONS

- Various Programming Languages certificates such as C++, Java, C#, ...
- Enterprise level Web portals developing skills using PHP and ASP.NET
- Relational Database design using My SQL and MS SQL Server
- Excellent communication skills specially in multicultural environments
- Academic Teaching Experience with basic teaching skills

REFERENCES

- Prof. Dr. Chris Payne - Email: chris-payne60@wanadoo.fr
- Assist. Prof. Dr. Beran Necat (head of MIS department) – Email: bnecat@gau.edu.tr
- Dr. Felix Meier (head of international relation department) – Email: f.meier@diplomacy.edu