Mehmet Malcok

E-mail : Mehmet.Malcok@tamuc.edu

PROFESSIONAL SUMMARY

- More than 12 years of teaching college level courses. (online and on campus)
- More than 10 years of professional software development experience.
- Experience in software development in all phases of the product development life cycle.
- Experience in scalable data-driven distributed web applications.
- Experience in writing business rules in Business Process Management(BPM) tools such as Drools.
- Experience in designing and developing software applications using SOA.

EDUCATION

University of Southern California, Los Angles, CA   Jan 1996-Dec 2001
Doctor of Philosophy in Mathematics

University of Southern California, Los Angles, CA   Jan 2001-Dec 2001
Master of Science in Electrical Engineering (Computer Science Concentration)

University of Southern California, Los Angles, CA   Jan 1996-May 1998
Master of Science in Mathematics

PROFESSIONAL EXPERIENCE

SOUTH UNIVERSITY ONLINE   Jan 2008-**Present**
Online Adjunct Faculty, Dept of Math
Participate in the online weekly discussion threads.
Grading weekly homework and quiz assignments.

Courses taught:
Principals of Algebra, Intermediate Algebra, College Mathematics, Statistics

NATIONWIDE INSURANCE   Dec 2007 – **Present**
Software Engineer/IT Specialist/Developer/Tech Dev Lead.

Subject matter expert/developer/designer for comparative real-time raters applications and online payments.

Technologies used:
Java, J2EE, Web Services, SOA, Spring/MVC, CXF, Grails, Drools, JavaScript/JQuery, Camel

PENNSYLVANIA STATE UNIVERSITY, Erie, PA   Aug 2002 - Dec 2007
Lecturer in Computer Science
Courses taught:

CSE 103 C++ Programming
CSE 120 Data Structures in C++
CMPSCI 203 Excel for Business Applications
CMPBD 204 C++ programming (for CIS Major)
CMPBD 205 Data Structures in C++ (for CIS Major)
CSE 221 Java Programming
CMPBD 440 Programming Languages
CMPBD 497 Net-centric Programming(Java, J2EE)
MATH 423 Numerical Analysis
CMPBD 497C Database Management Systems
CSE 260 Discrete Math

DEPT. OF COMPUTER SCIENCE, Wiley College, TX   Jan 2002-July 2002
Assistant Prof. Math and Computer Science

Courses taught:
Java, C++, C, Visual Basic, Data Structures in C++.
Algebra, Algorithms, Statistics, and Calculus.

ECONNECTIONS INC., Los Angeles, CA   Jan 2001-Aug 2001
Software Engineer

PUBLICATIONS
1. I. Kukavica and M. Malcok "Backward behavior of solutions of the Kuramoto–Sivashinsky equation"
Journal of Mathematical Analysis and Applications, Volume 307, Issue 2, 15 July 2005, Pages 455-464

2 A .Yesildirek, M. Malcok, "A Bearing Fault Detection and Diagnosis Using Neural Networks", IEEE MED'04, June 6-9, 2004, Kusadasi, Turkey

3. M. Malcok, , A. Yesildirek, Y. Alp Aslandogan: Fractal dimension and similarity search. IEEE ETC, 2005

4. M. Malcok, Y. Alp Aslandogan, A. Yesildirek: Fractal dimension and similarity search in high-dimensional spatial databases. IRI 2006: 380-384

5. K. Sari, M. Malcok, A. Yesildirek: Modeling a Robot with Two Legs, TOK'05, June 02-03 2005, Istanbul, Turkey