

MUSTAFA SAFDARI

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OBJECTIVE

Looking for a challenging Research Assistant position for Spring 2011 involving Machine learning/AI

EDUCATION

STANFORD UNIVERSITY — Stanford, CA

Master of Science in Computer Science, 2010 – Present. *Emphasis on Artificial Intelligence*

Notable Courses taken: Machine Learning, Probabilistic Graphical Models, Robotics Programming, Artificial Intelligence

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI — Goa Campus, India

Bachelor of Engineering in Computer Science and Engineering, 2005 - 2009

GPA: 8.98/10

SKILLS

C/C++ (3 yrs)	SQL (completed Oracle Certification Course 1Z0-007) (4 months)	LabVIEW (1 year)
Java (6 months)	MS SQL Server 2005 (2 months)	MATLAB (4 months)
XML (1 months)		Linux (5 months)

PROFESSIONAL EXPERIENCE

INTERACTIVE ROBOTICS & MEDIA LABORATORY, UAE University, Al Ain

Research Internship: 27-May -2010 to 27-Jun-2010

Developed a MATLAB code to track the trajectory of points on the face of a humanoid robot under the influence of its facial motors using image processing. Developed a simple linear regression model for the inverse kinematics of the motor movement required for a desired facial expression, using this trajectory

Technologies used: Java, MATLAB

CENTER FOR COMPUTATIONAL INTELLIGENCE, Nanyang Technological University, Singapore

Research Internship: 16-Jul-2009 to 02-Oct-2009

Developed Java-based framework for Blackbox Optimization Benchmarking of Evolutionary Algorithms

Technologies used: Java, XML, C++

ORACLE SERVER TECHNOLOGIES, Bangalore

Project Internship: 28-Jan-2009 to 19-Jun-2009

Implemented an automated Unit-Test framework for AdminTool and XUDML utilities in Oracle Business Intelligence (OBI) Server

Implemented a tool for converting 3rd-party metadata to OBI Server metadata representation

Implemented a Slider UI control for a Treemap View in Oracle Answers Dashboard (Oracle BI product)

Technologies used: Java, XML, Oracle Business Intelligence Server, ActionScript, Apache Ant

MICROSOFT IT, Hyderabad**Summer Internship:** 20-May-2008 to 01-Aug-2008

Designed and implemented Team Portal: A Web Application to enable efficient Interaction between Team Members.
Worked with RXD Core Services Team on Build and Deploy stages of SDLC

Technologies used: ASP, C#, HTML

CENTER FOR INFORMATION AND COMMUNICATION TECHNOLOGY (CICT), Bangalore**Summer Internship:** 24-May-2007 to 17-Jul-2007

Designed and simulated an Intelligent Electro-Mechanical System (Washing Machine) using Virtual Instrumentation based on LabVIEW 7.1

Technologies used: LabVIEW

EVENT MANAGER FOR ‘SIMCITY’ at QUARK ‘08

Conceptualized and conducted a National Instruments Inc sponsored, LabVIEW based event, held during Quark’08, a national level technical festival held at BITS-Pilani, Goa Campus. Handled event modalities like formulation of rules, judging criteria, coordinating between the university and the sponsors, and conducting the event fairly and successfully

PUBLICATIONS

- ◆ **Mustafa Safdari, “Evolving Universal Hash Functions using Genetic Algorithms”.** Undergraduate Student Workshop, 10th Genetic & Evolutionary Computation Conference (GECCO) 2009, Montreal
- ◆ **Nitin Sharma, Adithya Rao, Akshat Dewan, Mustafa Safdari, “Rate-Adaptive Resource Allocation in Multiuser OFDM using Non-Dominated Sorting Algorithm (NSGA-II)”.** Fourth IEEE International Conference on Wireless Communication and Sensor Networks ’08, Allahabad, India

AWARDS / ACHIEVEMENTS

- ◆ Recipient of **Bharat Petroleum Corporation Limited Scholarships 2010 for Studies Abroad** (<http://www.bharatpetroleum.com/scholarship/scholarship.asp>)
- ◆ One of the Top 15 Finalists for ‘Codathlon’ – a 3-day marathon event including coding, networking skills and reverse engineering, during Techfest ’08, a national level inter-college technical festival held at IIT-Bombay
- ◆ Gold Medallist (Rank 50) in National Informatics Olympiad in 2004

Seminars / Talks delivered:

- ◆ **“Windows Longhorn and Windows Vista”**, during a Mind Sharing Programme organized by the Computer Science and Information Systems Group (BITS-Pilani, Goa Campus), September ’07
- ◆ A two-Lecture series on **“Introduction to Genetic Algorithms and their use in Optimization”**, Artificial Intelligence Club (BITS-Pilani, Goa Campus), September ’08

OF NOTE

- ◆ Winner of ‘Ultimate Drama Challenge’ during Waves ’08, a national level cultural festival held at BITS-Pilani, Goa Campus
- ◆ 1st prize in Outlook Magazine sponsored “Speak Out” Inter-School Debate Competition ’04

Affiliations:

- ◆ IEEE student member, ACM Student Member

References:

Available on request