

Navid Nikbin

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Research Interests

- Image Processing and Machine Vision
- Artificial Intelligence and Machine Learning
- Computer Graphics
- Human-Computer Interaction

Education

From	To	Type	School	GPA
1995	1998	University (Master Degree in Computer Engineering)	Iran University of Science and Technology	17.62 / 20
1990	1995	University (Bachelor Degree in Computer Engineering)	Iran University of Science and Technology	15.99 / 20

Achievements/Awards

- Special prize of Iran's 1st e-Solutions Festival for World Summit Award 2005 (WSA 2005) for producing Medianik OCR Software
- Special prize of TAKFA (Iran's National ICT Agenda) in 2003 for producing Rojave OCR Software (Elected as the best Persian OCR produced in Iran)
- Ranked 3rd in the Iran's nationwide university entrance exam for master degree in computer engineering.
- Award of Outstanding Student in National Physics Olympiad of Iran and contributing in a special 1 year physics learning program at the University of Shahid Beheshti (at high school).

USA Pending Patent

- Application No.: 11/840,971

Filing Date: 08/19/2007

Title: Method and apparatus for executing commands or inputting data based on finger's characteristics and multi finger key.

Theses

- Master Thesis: Matching and recognition of curves using B-Splines and Affine Invariant Methods.
- Bachelor Thesis: Designing and implementing an image processing minimum system using DSP56000 processor.

Publications

- N.Nikbin, A.Kabir, K. Faez, A. Ebrahimi, S. Mozaffari, A, Ghasrsaz, "The Research Document of Persian OCR", Iran High Council of Information Technology, 2007

Teaching Experience

From	To	Course	Place
2002	2003	Applied Software/Computer Graphics Teacher	Iranian Academic Center for Education, Culture and Research.
1996	2000	Logical Circuits Lab. And Computer Graphics Lab. Teacher	Iran University of Science and Technology
1997	1998	Teaching Assistant for undergraduate course in Logical Circuits	Iran University of Science and Technology
1990	1994	Teaching Assistant for undergraduate course in Physics	Iran University of Science and Technology

Work Experience

From	To	Position	Place
2004	Now	Managing Director and Senior Software Analyzer/Developer	Medianik Co.
2000	2004	Managing Director and Senior Software Analyzer/Developer	Rojave Co.
1996	2000	Multimedia Developer and Research Assistant (Part Time)	Electronic Research Center of Iran University of Science and Technology

Sample Projects

#	Project Title	Client	Description
1	Medianik OCR	Medianik Co.	.NET based Persian optical character recognition application. Written in C# and C++ Winner of the special prize of Iran's 1 st e-Solutions Festival for World Summit Award 2005 (WSA 2005)
2	Medianik OMR	Medianik Co.	.NET based Persian Optical Mark Reader application. Written in C# and C++
3	Rojave OCR	Rojave Co.	Old version of Medianik OCR (item #1) Elected Persian OCR of TAKFA (Iran's National ICT Agenda) in 2003
4	3ds Max Array Modifier	Medianik Co.	An array modifier for Autodesk 3ds Max. Written in C++
5	Rojave Persian Editor	Rojave Co.	General purpose light weight Persian editor. Written in C++

6	3ds Max Persian Editor Plug-in	Rojave Co.	Plug-in for writing Persian in 3ds MAX. Written in C++
7	Fireworks Persian Editor Extension	Rojave Co.	Extension for writing Persian in Adobe Fireworks. Written in JavaScript and ActionScript
8	Director Persian Editor Xtra	Rojave Co.	Xtra for writing Persian in Adobe Director. Written in Lingo
9	Flash Tween Extension	Medianik Co.	Extension for producing tween motion in Adobe Flash
10	Flash Persian Editor Extension	Rojave Co.	Extension for writing Persian in Adobe Flash. Written in JavaScript and ActionScript
11	Kish Virtual Tour Multimedia	Kish Free Zone Organization	Bilingual multimedia for introducing Kish Island. Made with Adobe Director and Adobe Flash
12	Kerman at a glance	Kerman cultural heritage organization	Bilingual multimedia for guiding tourists to one of the oldest centers of civilization in Iran (Kerman Province). Made with Adobe Director and Adobe Flash. With 3d animation made with Autodesk 3ds MAX
13	Iranian architecture	Faranegar Co.	Bilingual multimedia CD about the history of Iranian architecture. Made with Adobe Director
14	School maker benevolent	State organization of schools Renovation, Development and Mobilization	Bilingual multimedia for introducing Iranian school maker benevolent. Made with Adobe Director
15	Iran Dairy Industry Co. multimedia CD	Iran Dairy Industry Co.	Multilingual multimedia CD for introducing the largest producer of dairy products in middle east. Made with Adobe Director and Adobe Flash
16	Saf magazine electronic book	Saf magazine	Multimedia based electronic book for 1 year of Saf magazine. Made with Adobe Director
17	Tehran International building industry exhibition	Tehran international exhibitions organization	Multimedia containing information about contributors of 5 th international building industry exhibition. Made with Adobe Director
18	5 th Tehran international automobile industry exhibition	Tehran international exhibitions organization	Multimedia containing information about contributors of 5 th international automobile industry exhibition. Made with Adobe Director
19	Nahadin Arman Co. multimedia CD	Nahadin Arman	Multimedia CD for introducing the biggest manufacturer of industrial seals in Iran. Made with Adobe Director and Adobe Flash. With 3D animations made with 3ds MAX.
20	Charmshahr industrial city	Tehran industrial estates Co.	Multimedia CD for introducing Charmshahr industrial city. Made with Adobe Director
21	Abadan oil refining flow diagram presentation	Negasht LTD	Lightweight interactive diagram, showing Abadan oil refining flow diagram. Made with Adobe Flash
22	Learning foreign negotiations	Industrial Management Org.	E-Learning multimedia for learning how to participate in a foreign negotiation. Made with Adobe Director and Adobe Flash

23	Strategic Thinking	Sadegh Co.	E-Learning multimedia for learning strategic thinking and strategic planning. Made with Adobe Director and Adobe Flash
24	TF Sabz web site	Tasvire Fardaye Sabz LTD	Web site of a graphics and film producing company. Made with Adobe Flash
25	Health and Knowledge Co. web site	Health and Knowledge Co.	Web site of a medical supply trade company. Made with Adobe Flash and Adobe Dreamweaver
26	Balan Lift Co. web site	Balan Lift Co.	Web site of a hydraulic and mechanical lift maker company. Made with Adobe Flash
27	70'th anniversary of Iran university of science and technology multimedia CD	Iran university of science and technology	3D animation based presentation multimedia for 70'th anniversary of the oldest university of Iran. Made with Adobe Director. With 3D animations made with Autodesk 3ds 4
28	First international electronic cities conference animation	Kish free zone organization	3D animation for the first international electronic cities conference. Made with 3ds MAX

Skills

- Image processing, pattern recognition and artificial intelligence
- Neural network design
- Object Oriented software analysis and design
- .NET application development
- Multimedia design and development
- Motion graphics, 3D graphics and animation
- Plug-in(Extension) development for Autodesk 3ds MAX, Autodesk (Alias) Maya, Adobe Flash, Fireworks and Director

Programming Languages

- C#
- C, C++
- JavaScript
- MAXScript (For 3ds Max)
- ActionScript (For Adobe Flash)
- Lingo (For Adobe Director)

Extracurricular Activities

- Playing chess (I have been a member of the chess team of Iran University of Science and Technology for more than 3 years)
- Studying Physics
- Swimming
- Playing Ping-Pong
- Playing badminton
- Poetry

Last Update: **January, 2008**