

## PERSONAL INFORMATION

## Soroosh Mortezaipoor



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## PERSONAL STATEMENT

I have always been obsessed with science, in combination with skills, techniques, methods, and processes that all together form something we know as technology. I believe that the long path to a perfect world should be traversed with small, simple, yet thoughtfully directed steps that each makes the world a better place for everyone to live. In the seven+ years with Nativy Translations I gained so many beautiful pieces of experience together with a wonderful team of talented young people, and we took some steps and made the world a better place by satisfying the needs of our great customers and making them and their clients happy. Now it's time for me to evolve, and with my passion for Software Engineering and Artificial Intelligence, take another step toward the vast horizon of this field.

## EDUCATION AND TRAINING

2017–Present

**Dr. techn. (Ph.D.) - Student**

Vienna University of Technology (TU Wien), Vienna (Austria)

Part-time Ph.D. researcher in the field of Robotics and Haptic Feedback in Virtual Reality

- Institute of Visual Computing and Human-Centered Technology
- Interactive Media Systems research group
- Supervisor: Assoc. Prof. Mag. Dr. Hannes Kaufmann

2013–2016

**Dipl.-Ing. (Master of Science)**

Vienna University of Technology (TU Wien), Vienna (Austria)

Dipl.-Ing. (equivalent to Master of Science in German speaking countries) in

- Logic and Computations (Formerly known as Computational Intelligence) with focus on Artificial Intelligence
- Thesis title: Optimizations and Improvements of Topographic Robotic Grasping, Supervised by Ao.Univ.Prof. Dipl.-Ing. Dr.techn. Markus Vincze

2006–2011

**Bachelor of Science/Engineering**

Iran University of Science and Technology, Tehran (Iran)

Major: Software Engineering

1998–2006

**High school diploma**

Iranian National Organization for Development of Exceptional Talents, Qazvin (Iran)

Mathematics/Physics

## WORK EXPERIENCE

2016–Present

**Chief Technology Officer (CTO)**

Nativy Translations (GmbH), Vienna (Austria)

Nativy is a professional excellent-quality translation and content providing platform, which tries to automate the whole process of having documents human-translated. Although the major clients of Nativy are multi-national and multi-lingual companies such as Siemens, RWE, REWE, Western Union, Heineken, Do&Co, etc., private individuals can enjoy the benefits of Nativy Platform to have their documents translated with a few clicks. Furthermore, Nativy provides its partners, including WPML, with the possibility to enable their clients to order translations from within their CMSs, portals, and websites, without having to import/export and files, all through a ready-to-use API set.

My role in Nativy includes but not limited to:

- Development team building
- Training the offshore development team (Later moved to Vienna)
- Redesigning the platform (Architecture, Technology, etc.)
- Designing and implementing algorithms and procedures such as
  - Different expert retrieval systems
  - High-performance resource scheduling sub-systems
- Supporting software/hardware infrastructure
- Supervising and partially implementing Software Development Lifecycle (SDLC) processes and development methodologies (mainly SCRUM)
- Supervising and partially implementing Continuous Integration (CI) and Continuous Delivery (CD) using Azure Pipelines
- SCRUM Master
- ...

Nativy employs a wide variety of technologies, including ASP.NET WebForms/MVC, Java, Microsoft Azure Services, Amazon Web Services (AWS), etc.

2013–2016

**Lead Developer**

Nativy Translations (GmbH), Vienna (Austria)

During this time, we have refactored the code, redesigned the database, and made fundamental changes in UI/UX of the platform.

Some technologies and platforms we introduced into the system include but not limited to:

- Switching to the latest .NET Framework
- Moving the majority of resources to the cloud (Microsoft Azure, Amazon AWS, ...)
- Employing Apache Lucene, Apache Tika, etc. for different purposes in the system
- Introducing and utilizing Linq2SQL ORM
- Introducing new workflows for the ordering process in the system
- Expanding Nativy Connect API, an API set for partner companies
- Switching to AJAX-based pages designed using native HTML/CSS/JS from Telerik ASP.NET Components

2011–2012

**Software Architect and Developer**

Zigoora, Tehran (Iran)

A Canadian-Iranian startup. A crowdsourcing translation platform capable of providing high-quality translations supported by a machine translation engine, and its human members. Despite its very complex concept and workflow, Zigoora was developed using ASP.NET and jQuery.

**2008–2012 Freelance Developer**

Tehran (Iran)

I did various projects with very different sizes. The platforms and technologies I used were mostly:

- .NET Windows Form (C++.NET and C#.NET)
- ASP.NET
- DotNetNuke
- MS Office Access
- MS SQL Server
- ...

**2006–2012 Part-time IT Support/Network Administrator/Software Developer**

Sazeh Aliazh Alborz Ltd., Alborz Industrial Town (Iran)

Sazeh Aliazh was a small/middle-sized company that manufactured steel spare parts for various car manufacturers in Iran. In addition to installing, setting up and supporting their Windows-based network, I spent some time developing mini-applications to automatize certain workflows in the company.

**2010–2011 Programming Tutor**

Iran University of Science and Technology, Tehran (Iran)

I taught Microsoft C#.NET in two levels, beginner and advanced. I had two classes, each around 10 people from undergraduate students to Ph.D. students from Iran University of Science and Technology.

**2009–2010 Teacher (Programming)**

Iranian Organization for Development of Exceptional Talents, Qazvin (Iran)

I taught middle-school and high-school children computer programming, as a complementary part to their primary curriculum.

**2004–2010 IT Support/Network Administrator**

Alborz Pooladin 2000 Ltd., Alborz Industrial Town (Iran)

Alborz Pooladin 2000 Ltd was a small/middle-sized company back then that manufactured steel spare parts for various car manufacturers in Iran. I set up and maintained their Windows-based network and maintained and supported their IT infrastructure technically.

**2008–2009 Software Engineering Intern**

Hanfekran IT Corp., Tehran (Iran)

I was appointed to different projects to learn how the software development processes and methodologies look like but mainly focused on extending a cloud-based time attendance software for enterprises. During this time, I became familiar with the fundamentals of teamwork and improved my development skills drastically.

**PERSONAL SKILLS**

Mother tongue(s) Persian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
IELTS Academic Studied in English					

German	B1	B2	A2	A2	B1
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Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
 Common European Framework of Reference for Languages

**Communication skills**

I first learned how to communicate with others in a professional team as a member of a fast-paced team when I was involved in Robocup competitions and competed against the bests of the field at international RoboCup competitions. Besides, I gained excellent presentation skills, thanks to many seminars, international competitions, international symposiums, and summer schools I attended and delivered presentations. Moreover, during my time in Nativy Translations, and as a development lead, I needed to communicate with not only technical people and domain experts, but also with people with no, or a superficial level of IT and software background knowledge. In the beginning, I found it very cumbersome and occasionally impossible to hold a conversation on a technical topic with people who had minimal experience in the field. However, later, I started to like it very much, as the ability to put such complex concepts into simple words that everyone could understand was growing inside me. After all, the leading quality that a competent CTO should possess is the ability to communicate.

**Job-related skills**

- Team building
- Team leadership
- Critical and creative thinking
- Agile methodologies, especially SCRUM
- Problem-solving
- SDLC process building
- DevOps
- Software related
  - .NET
  - ASP.NET MVC
  - MVVM Frameworks
  - Design patterns
  - RDB/No-Sql
  - Python 2.7
  - Cloud-based solutions and services
  - Information retrieval systems (Search Engines)
  - ...

**ADDITIONAL INFORMATION**

**Honours and awards**

- International Robocup Competitions - 2009 Graz, Austria
- International IranOpen Robocup Competitions - 2009 Qazvin, Iran
- International Robocup Competitions - 2008 Sozhou, China
- International IranOpen Robocup Competitions - 2008 Qazvin, Iran
- Awarded for being among top 1% at nation-wide university entrance exam

**Certifications**

- IEEE-RAS Safety, Security and Rescue Robotics Summer School - 2012, Alanya, Turkey
  - Certified by IEEE, IEEE-RAS, NIST, Robocup Rescue and Robotit
  - Subject: Safety, Security and Rescue Robotics - Machine Learning Practicals
- ROS RoboCup Rescue Summerschool - 2012, Graz, Austria
  - Certified by European Union, SiAt, Republic of Slovenia, Graz University of Technology and RoboCup Federation
  - Subject: Introduction to ROS (Robot Operating System)
- Data Mining and its Application in Industry and Technology - 2009, Tehran, Iran
  - Certified by Iran University of Science and Technology, Industrial Eng. and Computer Eng.

## Schools

- Instructor: Prof. Dr. Gholamreza Nakhaeizadeh, former head of datamining department at Deimler and professor of KIT, Germany
- Application of Data Mining in CRM and Quality Management - 2009, Tehran, Iran
  - Certified by Iran University of Science and Technology, Industrial Eng. and Computer Eng. Schools
  - Instructor: Prof. Dr. Gholamreza Nakhaeizadeh
- Introduction to Data Mining - 2008, Isfahan, Iran
  - Certified by TUV Rheinland Academy
  - Instructor: Prof. Dr. Gholamreza Nakhaeizadeh

## Memberships

- Interactive Media Systems Research Group, TU Wien 2016 - present
  - Vienna University of Technology
  - Roll: Researcher, Ph.D. Researcher
  - Supervisor: Assoc. Prof. Mag. Dr. Hannes Kaufmann
- Intelligent Automation Laboratory 2009 - 2011
  - Iran University of Science and Technology
  - Roll: Research Assistant
  - Supervisor: Assis. Prof. Dr. Peyman Kabiri
- 2nd Khawrazmi Robotic Competitions November 2009
  - Roll: Technical Committee (TC) member (Referee)
  - Field: Search and Rescue
- USARSim Developers Community 2010 - 2013
  - Roll: Developer on UT3, UDK
  - Designed, developed and supported by NIST
- Computer Engineering Scientific Association 2009 - 2011
  - School of Computer Engineering Iran University of Science and Technology
  - Roll: Official Elected Member
- Robotic Scientific Association 2007 - 2009
  - Iran University of Science and Technology
  - Roll: Member