# **TUNA TOKSÖZ**

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## CAREER OBJECTIVE

## PERSONAL INFORMATION

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| **Birth date** | 28.07.1988 | **Education Status** | Undergraduate (Senior)  @ Bogazici University |
| **E-Mail** | tehlike@gmail.com  tuna.toksoz@boun.edu.tr | **Address** | 5. Kisim E-1 3/A D:7 Atakoy  34158 Bakirkoy/Istanbul Turkey |
| **Linked In Profile** | http://www.linkedin.com/in/tunatoksoz | **Telephone** | +90 212 5608665  +90 555 5623598 |
| **Blog** | http://www.tunatoksoz.com  http://tunatoksoz.devlicio.us | **Marital Status** | Single |

Experienced with ASP.NET and C#.NET since 2003. A software enthusiast trying to apply and develop new technologies, and simplify complex problems. Moreover, experienced in MS SQL and db4o. Loves agile software development methodologies and experienced in Test Driven Development. Has passion in Open Source Software and is a committer to some well-known projects such as Castle and NHibernate. Believes in the importance of information share and actively participates in several mailing groups including ALT.NET, NH-Users, Castle.

## AREAS OF INTEREST

Software Engineering, Artificial Intelligence, Parallel Programing and Distributed Systems.

## EDUCATIONAL BACKGROUND

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| **Degree** | **Study Period** | University / High School |
| B.Sc [[1]](#footnote-1), [[2]](#footnote-2) | 09.2007 – 06.2010 | Bogazici University - Department of Computer Engineering |
| High School [[3]](#footnote-3) | 2002 - 2005 | Kultur Science High School |

## AWARDS & HONORS

* **db4o Most Valuable Professional, 2009 by db4objects**

**db4o Most Valuable Professional, 2008 by db4objects**

**db4o Most Valuable Professional, 2007 by db4objects**

[Db4o Most Valued Professionals](http://www.db4o.com/community/professionals/dVP/) (dVPs) are recognized individuals with expertise in the db4o product who actively participate in the community to share their knowledge and expertise with other db4o users

* **Ranked in the top 1000 among 1.6 million examinees** in nationwide University Entrance Examinations - Turkey, 2005
* **Ranked in the top 100 among 900 thousand examinees** in nationwide High School Entrance Examinations - Turkey, 2002

## TECHNICAL SKILLS & COMPETENCE

* **Certifications**
  + **dVP db4o** **Most Valuable Professional 2007, 2008, 2009**
  + **MCP Microsoft Certified Professional**
* **Technical Competencies and Experience**
  + ASP.NET, .NET (1.1, 2.0, 3.0, 3.5)
  + C#, VB.NET, C++, Java
  + SQL 2000, 2005, 2008, Db4o
  + ORM (NHibernate, Hibernate, Entity Framework)
  + IoC and AOP (Castle, Spring, LinFu, PostSharp, Unity)
  + LINQ, DLINQ, Ado.Net Entity Framework
  + HTML, Javascript, CSS, MS Ajax, JQuery
  + Unit Testing (XUnit, NUnit, MS Test, VSTS, Rhino Mocks, Moq)
  + Design Patterns, Tier & Service Oriented Architectures with Web & Windows services
* **Languages**
  + English - TOEFL IBT 2009 (109/120)

## WORKING EXPERIENCE

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| * **Massachusetts Institute Of Technology** | **February 2010-February 2010**  **September 2009-October 2009** |
| I was an intern at Aerospace Controls Lab of MIT in September 2009. I worked as a software developer during that period. I worked on 2D simulator and a 3D TestBed for ACL to be used for UAV simulation.  Please refer to **Private Projects** section for details | |
| * **IBM Turkiye** | **August 2008 –September 2008** |
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| I was an intern at IBM Turkiye between August 2008 and September 2008. I worked as a software developer during the internship period. The projects that I participated varied from intranet web applications to windows and mobile applications.  Please refer to Private Projectssection for details. | |
| * **Netron Yazılım (Netron Software)** | **January 2008 – February 2008** |
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| I was an intern at Netron between January 2008 and February 2008. I was given an assignment in which I was supposed to design a simple CV archive system. After that, I was given a more complex assignment that will be a part of Netron Corporate Solutions as a messaging system.  Please refer to **Private Projects** section for details. | |
| * **Purdue University** | **June 2007- August 2007** |
| I was a summer undergraduate research student at Purdue from June 2007 to August 2007. I have worked on GUI Implementation for the Resonnant Tunelling Diodes Simulator project under the guidance of Professor Klimeck.  Please refer to **Private Projects** section for details. | |
| * **IAESTE Turkiye** | **2005-2007** |
| In IAESTE Turkiye Office, I was responsible from the website of IAESTE Turkiye, and maintenance of computers. I also contributed to social organizations such as 50th Anniversary Celebration. | |
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## PROJECTS

### Open Source Projects

#### Castle Project (November 2008 - Present)

***Commiter- Nhibernate Facility Lead***

**Castle (distributed under Apache Software Foundation Licence)** is an **open source** project for .net that aspires to simplify the development of enterprise and web applications. Offering a set of tools (working together or independently) and integration with others open source projects, **Castle** helps developer get more done with less code and in less time. Castle project hosts several projects including MicroKernel/Windsor, Monorail, ActiveRecord, and a number of supporting projects. My responsibility, as a committer, is mainly to develop and manage the NHibernate Integration Facility, but I also have interest in other parts of the framework, especially Windsor/Microkernel.

Project is hosted at : **http://www.castleproject.org**

Community site is hosted at : **http://www.castleproject.org**

User forum is at : **nhusers@googlegroups.com**

#### NHibernate (August 2008 - Present)

***Commiter***

**Nhibernate**(distributed under GLPL) is an **Object-relational mapping (ORM)** solution ported from Java(hibernate) for the Microsoft .NET platform: it provides an easy to use framework for mapping an object-oriented domain model to a traditional relational database. Its purpose is to relieve the developer from a significant amount of relational data persistence-related programming tasks. My responsibilities, as a committer, are to implement new features such as Linq provider, and port features that exist in Hibernate but not in NHibernate, fix existing bugs, and help the community about the right use of Nhibernate.

Project is hosted at : [**http://sourceforge.net/projects/nhibernate**](http://sourceforge.net/projects/nhibernate)

Community site is hosted at : **http://www.nhforge.org**

User forum is at : **nhusers@googlegroups.com**

#### NHibernate Contrib (2008 - Present)

***Commiter***

This project includes several sub-projects that are built to support Nhibernate. Some of those projects are: Nhibernate Validators, Nhibernate Search, Nhibernate. Some of the projects are chosen to be a part of the core. I’ve been working actively on Nhibernate.Linq in order to provide a better and native querying support and abstraction. After a recent discussion among developers, Nhibernate.Linq project has been moved to core with a different implementation.

#### Rhino Tools (2008 - Present)

***Commiter***

Rhino Tools (leaded by **Oren Eini**(**MVP**), famous with his name **Ayende Rahien**) project includes several sub-projects which aim to provide developers core components of an application. Rhino Tools contains **Rhino Mocks** (a mocking framework for .NET 3.5), **Rhino DSL** (a DSL engine built on top of Boo language), **Rhino Security** (a generic security layer for applications), **Rhino Igloo** (a Dependency Injection Framework for Web Applications), **Rhino ETL**. Those projects aim to provide a frinctionless programming environment.

Project is hosted at: **http://sourceforge.net/projects/rhino-tools/**

User forum is at : **rhino-tools-dev@googlegroups.com**

#### BlogSharp (2007 - Present)

***Co-Founder***

This is an hobby project that we currently work on. It is our experiment place where we try to apply best practices and patterns that we have learnt so far. We are using upcoming **ASP.NET MVC** Framework with **Nhibernate/Db4o** and **Windsor**. We are trying to use concepts such as **AOP**, **TDD** and **DDD** that are widely used in enterprise architectures. It is our aim to make it flexible and pluggable, so that, in the future, community will have chance to write plugins as well as change the current layers without friction.

### Private Projects

#### 2D Simulator and 3D UAV Test Bed @MIT (2009 - 2010)

***Software Developer - Intern***

Composed of 2 sub-projects

1. **2D Simulator project**

This project was developed as a part of a competition project. The competition was to design an algorithm that can drive a ground vehicle from source point to the destination without colliding with enemy vehicles which showed semi-stochastic behavior. The purpose of the project was to simulate enemy vehicles so that the algorithm that tries to avoid collision could be tested.

1. **3D UAV Test Bed**

This project is still under development. Its purpose is to have a software testing platform for planning algorithm designed. The expected end result is to have an environment that can imitate a real vehicle available in the lab. It is expected to have the system respond to commands taken from controlling algorithms by doing in a way exactly same as a real vehicle.

#### LigTv @IBM Turkiye (2008)

***Software Developer - Intern***

This project was developed in IBM Turkiye. Its purpose is to gather data during football matches, and present the gathered data in various forms. My responsibility in this project was to design an application which will gather the points player have moved during the match. The requirements for this application are that the fingerprint of that application should be small, and the application should keep the network and database communication as least as possible to decrease the overload on the system. For that purpose various optimizations have been implemented including query batching, and connection pooling.

#### Messaging System @Netron (2008)

***Software Developer - Intern***

The purpose of this project was to provide WYSIWYG(what you see is what you get) environment through which a user will send customized email messages to thousands of recipient at the same time. According to my research on web for similar projects, this application will be unique in its flexible structure. It can be used with any type of data(including both scalar and vectoral data) that obeys the specified rules. This application is currently being developed and not in production at the moment.

#### CV Archive @Netron (2008)

***Software Developer - Intern***

The primary aim of this project was to provide an application in which user will come and apply for a job. It contained some pages that the applicant will provide information about his work experience, references, and so. After he is done with the form, the data will be saved into database of Netron HR, and also a notification email will be sent to clerk to inform him/her that new application has been made. This application was written in C# and ASP.NET and uses NVelocity as its template engine..

#### Resonant Tunneling Diodes Simulator @Purdue University (2007)

***Software Developer – Research Assistant***

The primary aim of the project was to provide a GUI to give control of the matlab code to new and non-expert users without making them deal with details and actual implementation. The GUI still maintains the control over the data generated and displays the data generated and displays it in a user friendly way. In addition to this, the GUI helps in testing the application.

## SOCIAL SKILLS & COMPETENCES

### Memberships

1. **Alt.Net Developer Community**
2. **IAESTE Student Community**

*IAESTE is an acronym for the International Association for the Exchange of Students for Technical Experience. IAESTE is a non-profit organization aiming to send young students abroad on holiday jobs to gain valuable experience and insight in their particular study fields.*

1. **TOG Student Community**

*Community Volunteers Foundation (CVF) is established in December 2002. Since its foundation CVF has reached 12.000 young volunteers and 500+ adult volunteers. CVF has realized more than 800local and national projects, has provided 595 trainings to its volunteers, opened 4 Youth Service Centers and 3 Local Coordination Centers, and provides 397 university students with scholarshipswith the active participation of young volunteers and assistance of adult volunteers*

### Hobbies

I have played basketball in Turkish Amateur League over 8 years. Recently, I have started playing “GO” in my free times. I also love listening to music, especially alternative rock.

## REFERENCES

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| **INDUSTRY**  **Oren Eini(Ayende Rahien – MVP)**  Computer Software Consultant  ayende@ayende.com  http://www.ayende.com  **Tim Barcz (Microsoft MVP)**  Senior E-Commerce Manager  JP Cycles/USA tbarcz@jpcycles.com | **ACADEMY**  **Prof. Jonathan P. How**  Department of Astronautics and Aeronautics  MIT / USA  jhow@mit.edu +1 (617) 253-3267 **Prof. Gerhard Klimeck**  Electrical and Computer Engineering  Purdue University / USA  gekco@purdue.edu  +1 (765) 494-9212  **Assoc. Prof. Can Ozturan**  Computer Engineering  Bogazici University / Turkey  [ozturaca@boun.edu.tr](mailto:ozturaca@boun.edu.tr)  +90 (212) 359-7225 |

1. Current GPA: x.xx, Rank: x [↑](#footnote-ref-1)
2. Transferred from Istanbul Technical University with GPA 3.88 [↑](#footnote-ref-2)
3. Graduated with 1st rank (GPA: 5.00/5.00) [↑](#footnote-ref-3)