

**CURRICULUM VITAE**  
**FOR**  
**HASAN TAHSİN DEMİRAL**



**I. PERSONAL**

**Name** : *Hasan Tahsin DEMİRAL*  
**Birth Place & Date** : *Kayseri 17/11/1970*  
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**II. EDUCATION and WORK**

**Sept. 2006 – Present** : *Omega Training and Consultancy*  
*Founder and Chief Instructor*

**Sept. 2002 – Aug. 2006** : *KocBryce Technology Education Services*  
*Chief Instructor UNIX/Linux Systems*

**Sept. 1998 – Aug. 2002** : *Gantek Technologies Group*  
*Education Coordinator and Sun Certified Instructor*

**Sept. 1995 – Aug. 1998** : *Istanbul Technical University*  
*Control and Computer Engineering Department*  
*Degree: PhD Candidate*

**Sept. 1992 – Aug. 1995** : *Rensselaer Polytechnic Institute, New York / U.S.*  
*Computer Systems and Engineering Department,*  
*Degree: M.Sc.*

**Sept. 1987 – Aug. 1991** : *Istanbul Technical University*  
*Control and Computer Engineering Department*  
*Degree: B.Sc.*

### III. WORK EXPERIENCE

**2006 (Sept) – :** Founder and Chief Instructor of Omega Training and Consultancy

Delivering courses and giving consultancy on Programming (Python, Shell, Perl, Java, Ansible), Linux (Red Hat, Oracle Linux), UNIX (Solaris, HP-UX), DevOps Technologies (Containers, Docker, Kubernetes, Openshift) and Python Programming Language Related Courses: Python Programming Essentials, Python Advanced Programming, Data Science with Python, Machine Learning with Python, Artificial Intelligence with Python.

- **Python Programming Courses**
  - Python Programming Essentials
  - Python Advanced Programming
  - Data Science with Python
  - Machine Learning with Python
  - Artificial Intelligence with Python
  
- **DevOps and Automation Courses**
  - Container Technologies
  - Docker
  - Kubernetes
  - Openshift
  - Ansible
  - Shell Programming
  - Perl Programming
  
- **Certificates**
  - RHCE (Red Hat Certified Engineer)
  - RHCX (Red Hat Certified Examiner)
  - RHCI (Red Hat Certified Instructor)
  - SCJP (Sun Certified Java Programmer)
  - SCSA (Sun Certified System Admin)
  - SCNA (Sun Certified Network Admin)
  
- **Red Hat Enterprise Linux Courses**
  - RH124 Red Hat System Administration I
  - RH134 Red Hat System Administration II
  - RH254 Red Hat System Administration III
  - RH199 RHCSA Rapid Track Course
  - RH299 RHCE Rapid Track Course
  - RH318 Red Hat Virtualization
  - EX200 Red Hat Certified System Administration Exam (RHCSA)
  - EX300 Red Hat Certified Engineer Exam (RHCE)

- **Oracle Certified Solaris Courses**
  - Oracle Solaris 11 System Administration
  - Oracle Solaris 11 Advanced System Administration
  - Oracle Solaris 11 Network Administration
  - Oracle Solaris 11 Performance Management
  - Oracle Solaris 11 Security Administration
  - Zones Administration on Oracle Solaris 11
  - Oracle Solaris 11 Dynamic Tracing (DTrace)
  - Perl Programming on Solaris
  - Shell Programming on Solaris
  - System Administration for the Solaris 10 Operating System, Part 1
  - System Administration for the Solaris 10 Operating System, Part 2
  - Network Administration for the Solaris 10 Operating System
  - Configuring Security on the Solaris 10 Operating System
  - Solaris 10 ZFS Administration
  - Solaris 10 Dynamic Performance Tuning and Troubleshooting With DTrace
  - Solaris 10 System Performance Management
  
- **HP-UX Courses**
  - HP-UX Fundamentals (51434S)
  - HP-UX System and Network Administration I (H3064S)
  - HP-UX System and Network Administration II (H3065S)
  - HP-UX Security Administration (H3541S)
  - HP-UX Troubleshooting (H4264S)
  - HP-UX Performance and Tuning (H4262S)
  - HP-UX POSIX Shell Programming (H4322S)

**2002 (Sept) – 2006(Aug):** Chief Instructor UNIX/Linux Systems KocBryce Technology Education Services A.Ş. Altunizade, İstanbul

- Major Responsibilities are :
  - Management of UNIX, LINUX, Java, Security Trainers
    - Evaluating trainer performances and taking necessary actions to maintain overall quality
    - Evaluating surveys after courses and taking actions for customer satisfaction
  - Delivering high level courses
    - HP-UX Courses
      - HP-UX Fundamentals
      - HP-UX System and Network Administration I
      - HP-UX System and Network Administration II
    - Sun Solaris System Administration, Networking, Security, and Performance
      - SA225 Solaris 10 for Experienced System Administrators
      - SA200 Intermediate Administration for the Solaris 10 OS
      - SA202 Advanced Administration for the Solaris 10 OS
      - SA300 Network Administration for Solaris 10 OS
      - SC300 Administering Security on the Solaris OS
      - SA400 Performance Management for the Solaris OS
      - SA239 Intermediate Administration for the Solaris 9 OS
      - SA299 Advanced Administration for the Solaris 9 OS
      - SA399 Network Administration for Solaris 9 OS
    - Red Hat Linux System Administration, Networking, and Security
      - RH033 Redhat Enterprise Linux Essentials
      - RH133 Redhat Enterprise Linux System Administration
      - RH253 Redhat Enterprise Linux Network & Security Administration
    - Sun Java Programming
      - SL110 Fundamentals of Java Programming
      - SL275 Java Programming Language
      - OO-226 Object Oriented Analysis and Design with UML
      - SL314 Web Component Development with Java Technology
    - Perl and Shell Programming
      - SA245 Shell Programming
      - DTP250 Perl Programming

**1998 (Sept) – 2002 (Aug):** Education Coordinator and Sun Certified Instructor, Gantek Technologies Group A.Ş. Kısıklı, İstanbul

- Major Responsibilities are :
  - Delivering high level Sun Solaris, HP-UX and Java courses
    - HP-UX System Administration, Networking, Security, and Performance
    - Sun Solaris System Administration, Networking, Security, and Performance
    - Sun Java Programming
    - Perl and Shell Programming
  - Management of all Trainers
  - Working as a consultant for major customers and projects
  - Maintenance of IT infrastructure of education center
  - Determining and ordering the necessary equipments and materials for the courses
  - Management of relations with Education Partners

**1995 (Sept) – 1998 (Aug):** Teaching Assistant and PhD student, Istanbul Technical University, Control and Computer Engineering Department, Maslak, İstanbul

- Major Responsibilities are :
  - Teaching Assistant for the following courses
    - Data Structures and Programming Languages (C/C++, Java, Pascal)
    - Operating Systems, Computer Architecture
    - Computer Vision, Analysis of Algorithms, Cryptography
  - *System and Network Administrator* at Computer Engineering Department 1996-1998
  - COST project of signal processing for intelligent multimedia terminal. 1997-1998
  - Tubitak (EEEAG-154) project of Solving Computer Vision Problems such as edge detection, video coding using regularization theory. 1995 – 1997

**1992 (Sept) – 1995 (Aug):** Research and Teaching Assistant and M.Sc. student, Rensselaer Polytechnic Institute (RPI) Computer Systems and Engineering Department, New York, US

- Major Responsibilities are :
  - Teaching Assistant
  - *General Electric (GE) project of Efficiency of Fuzzy Neural Networks. August 1993 - December 1993*
  - *Project Manager* of National Science Foundation (NSF) project titled “Fast Neural Networks Algorithms for Fault Detection and Congestion Control over ATM Networks.” June 1994 - August 1995

#### **IV. ACADEMIC PUBLICATIONS**

- T. Demiral, “Fast Learning Algorithms for Feedforward Neural Networks”, M.Sc. Thesis, Rensselaer Polytechnic Institute, New York, August 1995.
- T. Demiral, C. Ji, “Power of Weak Classifiers”, World Congress of Neural Networks, Washington DC, July 1995, vol 1, pp 591-595.
- B. Kurt, H.T. Demiral, “Adaptive  $\lambda\tau$ -Space Representation of Images and Edges,” Proceedings of 3rd International Conference on Communications, IMACS/IEEE CSCC'99, pp. 3011-3017, Athens GREECE, 4-8 July 1999.
- B. Kurt, H.T. Demiral, M. Gökmen, "Sahne Geçişlerinin Geometri Tabanlı Olarak Saptanması," 8th IEEE Conference on Signal Processing and Its Applications, IEEE SIU'2000, 2000.
- B. Kurt, H.T. Demiral, M. Gökmen, “Çevrite Dayalı Etkin Bir Görüntü Gösterimi,” 7th IEEE Conference on Signal Processing and Its Applications, IEEE SIU'99, pp. 369-374, Ankara Turkey, 1999.
- H.T. Demiral, M. Gökmen, "Benek ve Geometri Benzerliğine Dayalı Aşamalı Çevrit Eşleme," 7th IEEE Conference on Signal Processing and Its Applications, IEEE SIU'2000, 2000.
- H.T. Demiral, B. Kurt, “Adaptive  $\lambda\tau$ -Space Representation of Images and Edges,” Recent Advances in Signal Processing and Communications, pp. 53-59, Part I: Signal Processing, World Scientific and Engineering Society Press, 1999.

#### **V. HONORS & ACTIVITIES**

- Ranked first in the 1991 Turkish Nationwide Minister of Education Scholarship exam and awarded his Master study in United States of America in Computer Engineering
- 1994 Chess Champion of the Rensselaer Polytechnic Institute and Team Captain of RPI in 1994 Pan American Intercollegiate Chess Championship.
- Member of United States Chess Federation with the rating of 2070-(Master Level)
- Academic Publication on Neural Networks at World Congress of Neural Networks, Washington DC, July 1995, vol 1, pp 591-595
- Sun Education Partner of the year award (EMEA region 1999)