

EDUCATION

Massachusetts Institute of Technology (MIT) - Cambridge, MA

- (September 2008-Present) PhD Candidate, Department of Mechanical Engineering, MIT-Woods Hole Institute of Oceanography Joint Program **GPA: 5.0/5.0**
Courses taken include: Signal Processing; Continuous and Discrete
Advanced System Dynamics and Control
Digital Image Processing
Underwater Acoustics and Sensing
Hydrodynamics
Advances in Computer Vision

Massachusetts Institute of Technology (MIT) - Cambridge, MA

- M.S. Aeronautics and Astronautics, June 2005
- Thesis under Professors Ernest G. Cravalho , Michael Golay and Michael J. Driscoll on fuel cell applications for Gen-IV Nuclear Power Plants; **CGPA: 4.9/5.0**

Middle East Technical University (METU) - Ankara, Turkey

- B.S. Aerospace Engineering, June 2003
- Class Rank: 1st ; **CGPA: 3.92 / 4.0**

University of California, San Diego (UCSD) - La Jolla, CA

Exchange student in the department of Mechanical and Aerospace Engineering ; **August 2001-June 2002**
GPA: 3.93/4.0

PAPERS:

- Use of Fuel Cells to Power a High Reliability GFR EECS (Transactions, American Nuclear Society, 2005)

FIELD EXPERIENCE

- Specimen collection of New England soft coral for a global warming study, Ft. Wetherill RI (2008) in collaboration with Dr. Randi Rotjan of New England Aquarium.
- Underwater photo and video acquisition for cuttlefish (*sepia officinalis*), Turkey (2008) in collaboration with Dr. Roger Hanlon from Marine Biology Lab (MBL), Woods Hole
- Underwater photo and video acquisition for common octopus (*octopus vulgaris*), Grand Cayman (2007) in collaboration with Dr. Roger Hanlon from Marine Biology Lab (MBL), Woods Hole
- Ice diving (certification) Barnstable, MA (2007)

WORK EXPERIENCE

- **July 2005 - July 2008**
Senior Platform Consultant for an IT consulting company
Worked on projects for clients in the financial services industry including Navy Federal Credit Union and Citizens Bank
Responsibilities involved requirements gathering, design and development
- **October 2003-January 2004 , Cambridge** MIT Sloan School of Management, MBA Admissions Office
Database operations, application processing
- **September 2002 Ankara, Turkey** Baris Electrical Industries - Intern
- **July 2001 Ankara, Turkey** Turkish Aerospace Industries (TAI) - Intern
- **June 2000 Ankara, Turkey** METU, Department of Aerospace Engineering- Intern
- **June 1999 Lancaster, Texas** Air Salvage of Dallas (ASOD)

TEACHING EXPERIENCE

- **June 2004 and 2005** Teaching assistant (TA) for the "Reactor Technology Course" offered by INPO and MIT's Nuclear Engineering department to utility executives attending the program by invitation only
- **January-May 2005 Database administrator** for Cambridge-MIT Institute (CMI) teaching experiment in MIT's Mechanical Engineering department with full tuition award
- **September 2004-January 2005** TA for the course "**2.005 Thermal Fluids Engineering - I**" at MIT
- **January-May 2004** TA for the course "**2.006 Thermal Fluids Engineering - II**" at MIT
- **September 2002-August 2003** Private math and science tutor for seven high-school students including one special needs student

SKILLS

- Language : Turkish (native) , English(excellent); Computer: Javascript, XML, SQL, Matlab, HTML, Dream Weaver, FileMaker Pro, MS Office
- Certified Associate in Project Management (**CAPM**) by Project Management Institute (PMI)
- Professional Scuba Divemaster (PADI), American Academy of Underwater Sciences, (AAUS) Scientific Diver

INTERESTS

- SCUBA diving, traveling, underwater photography, archery, cooking