

SERKAN AKSEHIRLI

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Education

University of Southern California, M.S. in Mechanical Engineering Los Angeles, CA, 12/2002 (exp.)

Concentration: Intelligent Design Systems

- ◆ Relevant Courses: Design Theory and Methodology, Engineering Information Modeling, Computer Control of Mechanical Systems, Computer-Aided Design of Mechanical Systems, and Advanced Mechanical Design
- ◆ Activities: Member of the Turkish Student Association.

Istanbul Technical University, B.S.

Istanbul, Turkey, 2000

Concentration: System Dynamics and Automatic Control

- ◆ First in class with Graduation Thesis (Feasibility study of alternative energies)
- ◆ First in class with Machine Design Project (Special gear box)
- ◆ Activities: Member of Winter Sports Team, Member of Traditional Dance Club

Experience

Teaching Assistant, USC Mechanical Engineering Department Los Angeles, CA, 2001-current

- ◆ Graded every week with great efficiency for an eighty person course with single day turnaround times
- ◆ Tutored students who had difficulties

Mechanical Engineer, HONDA Automotive

Izmit/Turkey (1999)

- ◆ Compared robotics versus manual welding technologies in terms of strength of the product, speed of production and cost effectiveness

Engineering Intern, GSN Engineering Design Inc.

Adana/Turkey (1999)

- ◆ Analyzed the differences between firm's product and competitors products and recommended a new product design
- ◆ Gained hands-on experience working at each stage of the manufacturing process of heavy machinery used in construction and electric utilities industries

Engineering Intern, HES Inc. (project based mechanical design and production firm)

Kayseri/Turkey (1998)

- ◆ Analyzed the facility layout and production flow
- ◆ Recommended changes that will improve throughput time

Istanbul Technical University Practical Workshop

Istanbul/Turkey (1997)

- ◆ Gained hands-on experience producing machine parts using CNCs, lathes, milling machines, and welding machines

Additional Information

Computer Skills: AutoCAD, I-DEAS, Solid-Edge, Cosmos, ANSYS, Solid-works, Fortran, Java, Clips, MS-Office

Interests: Ski & snowboard instructor, learning about automobile designs, making mechanical toys, backgammon