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Objective:

Obtain a position in the field of Information System that utilizes my education, skills in spatial analysis, advance database, image processing and digital animations.

Education:

Master of Science in Information System

New Jersey Institute of Technology, Newark NJ

2004- Present GPA: 3.66

Courses: Advanced System Analysis and Design, Design and Manufacturability, Information System Principals, Advanced Database System Design with PL/SQL, Computer Aided Design, Multimedia Information System, Java Programming, Evaluation of Information Systems.

Bachelor of Art in Information System

Rutgers University, Newark NJ

January 2004 GPA: 3.50

Bachelor of Science in Mechanical Engineering

Kocaeli University, Kocaeli Turkey

July 2000 GPA: 3.00

Proficiencies:

Languages:

HTML, JavaScript, Java, C++, ASP.NET, SQL

Software

ENVI Software, Auto Cad 2002, IDRISI32, 3DEM, Rational Rose, Arc Scene, Arc Map, Arc View, Arc IMS, Arc Info, Front Page, Hardware knowledge, Flash, Adobe Photoshop, M1- Edit, Real Player Producer, 3D Animation, Word, Excel, Power Point.

Database

MS SQL, Access, Oracle PL/SQL, FileMaker

Operating Systems

Microsoft 2003 Server, Microsoft 2000 Server, Microsoft XP Professional, Windows 98, IIS Management, SSL Management, Unix

Professional Experience

GIS Analyst/ Research Associate

Meadowlands Environmental Research Institute (MERI), New Jersey Meadowlands Commission, Lyndhurst

Responsibilities

- Perform basic and advance processing tasks using ArcGIS and other ESRI products and extensions
- Support the development of GIS geodatabase designs
- Build and maintain ArcIMS web applications
- Digitize tax maps of District townships for municipal outreach project
- Populate digital maps with attribute information
- Perform Image Processing using ENVI software
- Build and maintain City View Server and its website: <http://onlinepermits.njmeadowlands.gov/>
- Graphic Design for the Websites

- GIS Technical Support
- Create terrain visualization models and fly by

Research Assistant

Center for Information Management Integration and Connectivity (CIMIC), Rutgers University,
Newark
Research Associate and GIS Specialist- January 2001-June 2004

Internship

- YAPARLAR Agriculture Machines and Manufacturing INC.
Internship for Roll Form Manufacturing and Factory Organization – Summer 1999

- Istanbul Transportation INC.
Internship for Welding and Manufacturing-Summer 1998

- AKAD Steel Smelting INC.
Internship for Molding-Summer 1998

Engineer Assistant

UNSA Machine INC.
Manufacturing Engineer Assistant- September1997- June1998

Projects and Seminars:

- Online Permit Application
<http://onlinepermits.njmeadowlands.gov/>
- Municipal Assistant Program Database Development
<http://meri.njmeadowlands.gov/gis/maps.html>
- Artigas J. Francisco and Arafat S. Aydiner. Hyperspectral Remote Sensing of Wetland Surfaces. Remote Sensing Workshop, Montclair State University, NJ. October, 2003.
- NJMC Riparian Application Interactive Map Application
<http://165.230.127.120/interactivemaps.html>
- NJMC Historical Aerial Photos Interactive Map Application
<http://165.230.127.120/interactivemaps.html>
- Senior Project: Building WMA5 Water Quality Interactive Map by using Arc IMS, Arc Map, HTML, and Java Script.
<http://165.230.127.120/interactivemaps.html>
Position in the project was Project Manager
- Vigor Gradients of Phragmites australis in the Meadowlands District
Francisco Artigas, Meadowlands Environmental Research Institute
Arafat Aydiner, Rutgers University, Newark.
http://cimic.rutgers.edu/meri/symposium/abstract/artigas_Vigor.htm
- Terrain Visualization and Satellite Image Design (CIMIC Rutgers University)
<http://cimic.rutgers.edu/examples/scientific/images.jsp>
- Security of Operating Systems
A Technical overview of Modern Operating Systems and Their Security Capabilities.
- Welding Electrode
- Manufacturing of Gears

Thesis:

Special Properties of Polyphethylene Sulfide Composite Materials
Kocaeli University, Mechanical Engineering Department

Teaching Experience:

Computer Summer Camp Instructor by using FLYOVER
Techniques, Rutgers University, Newark, 2002-2003

Certificates:

- OERLIKON WELDING FACTORY for practice of GAS WELDING
- MARMARA UNIVERSITY for AUTO CAD 13

Academic Honors:

- 2002 Fall Rutgers University Dean List
- 2003 Spring Rutgers University Dean List
- 2003 Fall Rutgers University Dean List
- 2003 Spring New Jersey Institute of Technology Dean List
- 2003 Fall New Jersey Institute of Technology Dean List

Professional Affiliations:

Northern New Jersey GIS User Group
Member of IEEE (Institute of Electrical and Electronics Engineers)
Member of ASME International (The American Society of Mechanical Engineers)
Member of IEEE Computer Society

Languages:

Turkish, English

References:

Dr. Francisco Artigas
New Jersey Meadowlands Commission
MERI Director
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Dr. Nabil R. Adam
Department of Management Science and Information Systems
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