

Mete Ercan Pakdil

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Work Experiences:

Environmental System Research Institute (ESRI): Product Engineer Intern June – October 2011
Redlands, California, United States

- Developed building extraction tools for LiDAR point cloud using ArcObjects Java.
- Made many presentations to show my LiDAR project's result for several teams such as Raster, 3D Analyst, Professional Services and Development team.
- Documented my LiDAR tools to put on ArcGIS Resource Center and demo in future workshops.
- Developed Microsoft Excel Add-ins for geocoding and marketing figures.
- Made National Spatial Data Infrastructure (NSDI) research for all over the world and web map to publish on the ArcGIS Online.

Geomatic Web Applications: Project Leader 2007 - present
International Online Collaborative Project

- Leading a team composed of students and professionals from all over the world by means of online project management tools.
- Leading weekly online meetings to follow up team members and make decisions together.
- Awarded by highly prestigious Turkish scientific institute (TUBITAK) in 2010.
- The project website (www.geomatikuygulamalar.com) is visited by millions of people per year from all over the world.
- Provide application development platform and documentation to make any kind of location-based programming possible for engineers.
- Developed Java Enterprise Edition (J2EE) JAX-RS and OAuth based geospatial web services.
- Deploying web applications on Apache Tomcat application server.
- Managing PostgreSQL database server and databases that works on Amazon Cloud.
- Developing geospatial application portal based on PHP, HTML, CSS and Java Script. Code Igniter and jQuery frameworks are used.

Universal Information Technologies: GIS Developer April - June 2011
Istanbul, Turkey

- Developed Adobe Flex based web application using ArcGIS Flex API.
- Developed ArcGIS Server Object Extensions (SOE) to provide web services for network analysis and web printing.
- Integrated GEOCOM Geonis Server's network analyst extensions with my ArcGIS Server SOEs.
- Led the development process and made essential decisions.
- Involved in communication with international business partners and had meetings with them.

Sistem Inc. (Leica Geosystems Turkey): Software Developer February - April 2011
Istanbul, Turkey

- Developed C# based multi-component application to process and convert Leica GSI files.
- Developed Customer Relationship Management (CRM) software based on C# and MS SQL to track offer forms, customer orders and stock information.

Universal Information Technologies: Software Analyst

March - June 2010

Istanbul, Turkey

- Involved test and debugging process of applications that were based on ArcGIS Engine for .NET
- Developed ArcGIS Flex API and Java based geospatial web applications for public municipalities.
- Made reports for new GIS technologies that might help ongoing or future projects.

SISNav Mobile Application Project: J2ME Developer

2008 – 2010

Istanbul, Turkey

- Involved as a developer in Java based mobile application project that worked on many mobile phones.
- Developed a new module that process NMEA strings to show live position in a sheet grid via graphical interface on the mobile screen.
- Mainly Apache Ant, Eclipse and J2ME Polish GUI Framework were used during the project.

Istanbul Technical University ISTA Research Lab: Geospatial Developer

August - October 2009

Istanbul, Turkey

- Learned how to use GNSS receiver to setup a CORS station.
- Developed Python based server application to listen and record multiple GNSS receivers into PostgreSQL database with PostGIS extension.
- Created web application to visualize recorded locations on the Google Maps and give time-aware KML outputs.

Education:

Istanbul Technical University

2007 - 2011

Istanbul, Turkey

Bachelor's degree in Geomatics Engineering, Faculty of Civil Engineering,
GPA: 3.13 / 4.00

Istanbul Technical University

2006 - 2007

Istanbul, Turkey

Prep School, College of Foreign Languages (English)

Languages:

Turkish - Native

English - Advanced

Computer Skills:

Operating Systems: Windows 95+, Linux 2.4+ (esp. CentOS)

Software: Mindjet Mind Manager, Microsoft Office, Open Office, Adobe Creative Suite (Photoshop, Fireworks, Flash Builder), ERDAS, ArcGIS (Desktop, Server, Flex API), NetCAD, AutoCAD

Web Services: Amazon EC2, Google Maps API, Facebook API, OAuth

Programming: J2ME, PHP, Python, C#, Silverlight, Adobe Flex, XML, KML, HTML, CSS, Java Scripts, Ajax

Databases: PostgreSQL, MySQL, PostGIS

Awards & Honors:

TUBITAK Research Fellowship for Bachelor Projects

June 2010

TUBITAK (The Scientific and Research Council of Turkey)

Young Enterprise Award 2009

April 2009

Map Career Days – Zonguldak, Turkey

Certificate of Appreciation International Society for Photogrammetry and Remote Sensing (ISPRS)	August 2008
Certificate of Thanks European Group of Surveyors	June 2007

Certificates:

Data Management in Multiuser Geodatabase : ESRI	July 2011
Working with 3D GIS Using ArcGIS : ESRI	July 2011
ArcGIS Server: Web Administration Using .Net Framework: ESRI	June 2011
Interuniversity Board Foreign Language Examination: (Natural Sciences – English) 81.25 / 100	March 2010
Business English Education Certificate: Berlitz Language School	March 2009

Professional Affiliations:

- Webmaster of the International Society for Photogrammetry and Remote Sensing (ISPRS) Student Consortium – www.isprs-sc.org
- Webmaster of European Group of Surveyors – www.europeansurveyors.org
- Member of Spatial Informatics Initiative of Turkey
- Member of the Chamber of Survey and Cadastre Engineers
- Member of Geomates

Training and Education Courses:

- “Advanced LiDAR Data Processing and Applications”, International Society for Photogrammetry and Remote Sensing (ISPRS) Summer School, Fayetteville NC, USA, 30th July – 6th August 2011
- The Second International Training Course of Territorial Survey, GeoWeb S.p.A., Rome, Italy, 20th September - 8th October 2010
- 56th RYLA (Rotary Youth Leadership Awards) Leadership Seminar for Youths, Ankara, Turkey, 4-7 February 2010
- “GPS and GIS used in coastal cartography and port operation”, Socrates’ Athens Programme, Madrid, Spain, 14 - 21 November 2009
- “Natural Environment Management, Monitoring and Conservation”, International Society for Photogrammetry and Remote Sensing (ISPRS) Summer School, Warsaw, Poland, 13 - 19 July 2009

Articles:

- **Cemal Özgür Kivilcim, Mete Ercan Pakdil, Ahmet Sengül.** (2010). “Role of Internet as a communication platform and ISPRS Student Consortium Web Site”, Cross-Border Education for Global Geo-information, ITC, Netherlands
- **Rahmi Nurhan Çelik, Mete Ercan Pakdil, Umut Utkan and Caner Güney.** (2010) “Web Based Spatial and Mobile Applications: Geomatic Applications, Geodetic Calculations, SISNav”, Academic Informatics 2010, Mugla University
- **Mahmut Olcay Korkmaz, Caner Güney, Özgür Avcı, Mete Ercan Pakdil and Rahmi Nurhan Çelik.** (2010) “Web-Based Integrated Precise Positioning System Design and Testing for Moving Platforms in Offshore Surveying”, 24. FIG international Congress 2010
- **Pakdil Mete E.** (2009) “Navigation in Public Transportation”, Chamber of Surveying and Cadastre Engineers, Istanbul Journal, May 2009
- **Pakdil Mete E.** (2008) “What is KML and KMZ ?”, Chamber of Surveying and Cadastre Engineers, Istanbul Journal, August 2008