CEREN OCAL TASAR
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Education

2011-present	**Yasar University,** **Ph.D Candidate - Computer Engineering** *- Ph.D Thesis: Geographic Question Answering Framework over Linked Data*
2008-2011	**Ege University International Computer Institute,** **MSc Information Technologies and Computer Sciences** *- MSc Thesis: "Developing a Modifiable Software Infrastructure for Information Retrieval "*
2004-2008	**Izmir University of Economics** **BSc Software Engineering** Graduated as Honour Student *- BSc Final Project: "Correspondence Tracking System" (Web based application PHP / MySQL)"*

Work Experience

September 2016- Current	**Yasar University - Izmir** Part Time Instructor, Software Engineering Department <u>Courses:</u> Management Information Systems Introduction to Programming with Python Object Oriented Programming Natural Language Processing Software Systems Analysis
May 2014 - May 2016	**Hugo Boss** Software Specialist Analyzing organizational requirements, offering solutions and optimizing the system by implementing new modules Designing, implementing and data modeling of ERP systems and web based applications Performing instant customer support Researching possible technology solutions for digitalization and industry 4.0 trends
December 2012 - May 2014	**Huawei Technologies Co. Ltd.** Research Engineer, R&D Department Solution integration to the products Research and implementation of new technologies design, implementation and testing of potential products Following new technologies and ideas to make the products smarter

October 2008   **İzmir University of Economics**
- December 2012   Research Assistant, Computer Engineering Department

                        Courses assisted:
- Introduction to Programming
- Object Oriented Programming
- Data Structures and Algorithms
- Mark up Languages and Web-based Programming
- Mobile Application Development
- Database Systems
- Software Project Management
- System Analysis and Design
- Logic Design

Summer 2007   **Turkcell – Izmir, TURKEY**
                      Internship, Core Network Department
- Scripting in OPS (Operations Procedure Support) to make the processes more fast and efficient
- Controlling the continuity check values for the special busy days for every region by writing scripts
- Drawing topology maps all over Turkey according to routes with Microsoft Office Visio
- Writing scripts that control the MSC (Mobile Switching Center) neighborhood to BSS (Base Station Services) team and drawing MSC maps in MapInfo.
- Writing Excel macros about the weekly reports of BSS team.

Summer 2006   **Vestel Electronics - Manisa, TURKEY**
                      Internship, ARGE – Software Department
- Marketing research about computer games
- Research about game programming in Java

Researches & Achievements

✓ Ocal C., Komesli M., "Ontology based geo-information retrieval and process", INSPIRE Conference 2012

✓ MSc Thesis: "Developing a Modifiable Software Infrastructure for Information Retrieval "
- Tokenization process on texts is handled with natural language processing methods. These methods and stemming algorithms are based on both Turkish and English language.
- Indexing the documents and searching on the index
- An open source, modular library written in Java is used and some of the key modules of this library is changed to get better results while searching
- Precision and recall values which are search quality metrics are observed
- Contribution made to the information retrieval with a different point of view

✓ Key member of the development team for Personal Assistant Application for mobile devices:
- Development of Siri-like application for Android for both Turkish and English supported by TUBITAK

✓ Completed the Raw Quality Management Project for Logistics,CAD and Testing Lab. Department
- Process improvement of the quality management, requirement gathering and data integrity handling. Analyzed, designed and implemented as an individual project.

Trainings

June 2007	Turkcell – Turkcell Akademi - Izmir, TURKEY Linux (3 weeks)
July 2007	Turkcell – Turkcell Akademi - İzmir, TURKEY TCP / IP (2 weeks)
August 2007	Ericsson – Turkcell Akademi - İzmir, TURKEY TSP and 3G Technology (2 weeks)

Computer Skills

Accomplished in: Java, ASP.NET, C#, C, C++, PHP, JavaScript, Ajax, XML, HTML, MySQL, PL/SQL,T-SQL, SPARQL, Enterprise Architect, MS Office, Windows OSs, Linux

Experience in   : MS Visual Studio .NET, Netbeans IDE, Eclipse IDE, Microsoft Visio, MapInfo, WAMP, UniServer, Toad for Oracle, Protege

Languages

Turkish (native), English (fluent), German (basic)

Certificates

- Agile Software Development & Scrum by BT Akademi (August, 2015)

- Developing ASP.NET MVC5 Web Applications by Microsoft Certified Trainer/Consultant BT Akademi (November, 2015)