

## **MUHSIN ZAHID UGUR**

18600 S Park View Dr. Apt 2121

Houston, TX 77084

Email: muhsinugur@gmail.com

Phone: 1-302-690-8275

### **Educational Background**

PhD candidate in Computer Science at the University of Houston

[2012 – Present, Houston, Texas, US]

Master's Degree in Computer & Information Sciences at the University of Delaware

[2009 – 2011, Newark, Delaware, US]

Bachelor's Degree in Mathematical Engineering at Yildiz Technical University

[2003 – 2007, Istanbul, Turkey]

### **Professional Experience**

#### **iOS app – Mood Weather [general use]**

**University of Houston**

Records emotions of people and their causes. This facilitates the mapping of feelings on a continuous basis and across scales – from individual to the city and the country level.

#### **iOS app – Clinical App [clinical research]**

**University of Houston**

Gathers data from patients and populate doctors' databases ubiquitously.

#### **iOS app – Grid Design [clinical research]**

**University of Houston**

Tests the validity of four user interface designs for a 2-dimensional psychometrics test.

#### **Teaching Assistant**

**University of Houston**

Summer 2015 - Data Structures

[2014 - Present, Houston, Texas, US]

Spring 2015 - Data Structures

Fall 2014 - Object oriented programming

Spring 2014 - Data Structures

#### **Graduate Assistant at Educational Assessment Office**

**University of Delaware**

[2011 – 2012, Newark, Delaware, US]

#### **Software Developer**

**7Gen Information and Communication Services**

[2006 - 2008, Istanbul, Turkey]

#### **ERP Project – Reporting module**

Used Crystal Reports, Reporting Services and SQL Server to develop reporting module and interface between reporting and main modules and to control data management.

#### **MIS Project**

Administration of BI Infrastructure and ETL Operations of Istanbul Transportation Corp.

#### **DMS (Document Management System) Project**

Used C# to develop modules for a document management system developed for Ulker, the leading biscuit producer in Turkey.

## Publications

**Ugur, M.**, Shastri, D., Tsiamyrtzis, P., Dcosta, M., Kalpakci, A., Sharp, C. & Pavlidis, I (2015, September). Evaluating Smartphone-based User Interface Designs for a 2D Psychological Questionnaire. The ACM International Joint Conference on Pervasive and Ubiquitous Computing 2015. Osaka, JAPAN.

Uyanik, I., Khatri, A., Majeti, D., **Ugur, M.**, Shastri, D. & Pavlidis, I. (2015, April). Using Accelerometer Data to Estimate Surface Incline and Its Walking App Potential. The ACM CHI Conference 2015. Seoul, KOREA.

## Projects

### Clustering with Weka

**University of Delaware**

Lucene indexer and searcher implemented for ClueWeb09 corpus for Web Track in TREC.

### Hospital-Patient Scheduling

**University of Delaware**

JAVA and AgentSpeak used in creating a medically prioritized hospital system with autonomous agents.

### Letter Prediction in a Scanning—based AAC System

**University of Delaware**

C and Brown Corpus with bigram modeling used to do letter prediction in increasing communication rate for an AAC (Augmentative or Alternative Communication) System user.

### Designing and implementing a bank server

**University of Delaware**

TCP used to perform transactions on a bank server used by the clients.

### Modeling a pharmacy

**University of Delaware**

C language and E-R diagrams with MySQL used in handling transactions in a pharmacy.

## Technical Skills

Languages: C, Objective C (iOS Programming), C++, C#, Java, PHP, XML, HTML, SQL, Perl, AgentSpeak (Multi-Agent Programming), R

Tools: Xcode, Jason (multi-agent systems), WEKA (data mining), Business Intelligence tools (Microsoft Reporting, Integration and Analysis Services), MS SQL Server, Crystal Reports, ETL database operations

## Achievements

– Ranked among the top 5% in a test in Turkey and acquired a scholarship that covers all expenses of the graduate school in the US.