

Ezgi Demirayak

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY

Master of Engineering in Engineering Management with specialization in Computer Science

Expected May 2017

Binghamton University – State University of New York, Watson School of Engineering, Binghamton, NY

Bachelor of Science (Dual-Diploma Program) in Computer Science/Information Systems, **GPA: 3.91**

May 2016

Istanbul Technical University, College of Engineering, Istanbul, Turkey

Bachelor of Science (Dual-Diploma Program) in Information Systems Engineering, **GPA: 3.72**

May 2016

HONORS AND AWARDS

Academic Excellence in Information Systems Award • Upsilon Pi Epsilon: The National Computer Science Honor Society • Merit-based Scholarship • *summa cum laude* Latin Honor • Outstanding Success in Microsoft Programming Languages • Dean's List

SPECIALIZED SKILLS

Swift • Ruby • C • C++ • C# • SQL • .NET Framework • ADO.NET • Python • Java • ASP.NET • HTML • JavaScript • CSS • XML • VBScript • Microsoft Visual Studio • Xcode • Eclipse • SQL Server Management Studio • Microsoft Excel

RELEVANT EXPERIENCE

Mercedes-Benz, *Information Systems Intern*, Istanbul, Turkey

Summer 2015

- Designed and programmed a system in C# which increased company efficiency by creating a more effective process to manage information about vendors
- Analyzed an internal software used by the company and developed ideas to enhance its usability

Philip Morris International, *Marketing Intern*, Istanbul, Turkey

Winter 2014

- Selected out of 10,000 students from Istanbul Technical University
- Developed 4 projects with team in order to add brand value to Muratti in the Turkish tobacco market
- Competed with 4 other teams and recognized as most creative

KocSistem Information and Communication Services, *Voice and Video Programming Intern*, Istanbul, Turkey

Summer 2014

- Developed a phone directory application using C# and ASP.NET that was implemented company wide through Cisco IP Phones
- Established a connection between Cisco IP Phones and the phone directory web interface using ASP and JavaScript
- Designed and implemented an Interactive Voice Response system for a client by using Avaya Orchestration Designer and VBScript
- Created an algorithm using Avaya Aura Orchestration Designer for the Voice Response system to provide more accurate responses

RELEVANT ACADEMIC PROJECTS

mApp iOS Application, Binghamton, NY

Spring 2016

- Developed a travel application using Swift programming language
- Features include: current location, weather forecast, travel journal, to-do list, places to visit, general information, music player

Defense to Cache Side Channel Attacks Research Project, Istanbul, Turkey

Fall 2015 – Spring 2016

- Conducted research under the supervision of a faculty member that suggested a defense mechanism to the cache side channel attacks

TraWell, Istanbul, Turkey

Fall 2015

- Developed a website for travellers to learn directly from locals about information on countries of interest
- Applied principles of crowdsourcing to ensure responses from locals

MyTick@, Istanbul, Turkey

Fall 2014

- Developed a web-based movie ticket booking system by using ASP.NET, C#, HTML, JavaScript, CSS, SQL

Other projects include:

Fall 2014 – Spring 2016

- Portfolio webpage in HTML, CSS, Bootstrap
- Mobile applications
- Text Editor in C# that also operates as a code editor
- Image and video processing projects in C++

LEADERSHIP EXPERIENCE

Gozdem Marine, *Volunteer Sailing Instructor for Handicapped Children*, Istanbul, Turkey

Present

Binghamton University, *Assistant Student for International Event of SUNY Coordinators*, Binghamton, NY

Spring 2016

Model United Nations, *President of Human Rights Committee*, Istanbul, Turkey

Fall 2011 – Spring 2013

OTHER INTERESTS

Sailing, Diving, Running, Piano, Travelling