



Melis Tunc

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Education:

2014 - still Masters in Engineering Management
University of South Florida, Tampa, FL

2010-2011 Erasmus Student (European Union Scholarship)
University of Life Sciences and Technology, Bydgoszcz, Poland

2007-2013 Bachelor of Science in Chemical Engineering
Izmir Institute of Technology, Izmir, Turkey

Employment History:

Student Leader at INTO University of South Florida (04.26.2014-12.19.2014)

This particular job helps me to connect with students from different nationalities and cultures. Also, helping new students and trying to solve their problems are preparing me for the real life difficulties with human relations.

Internship at Kordsa Global (06.09.2012-12.15.2012)

In Kordsa Global, nylon, polyester, yarn and cord fabric are produced for leading tire producers of the world. As an intern at polyester department, I become familiar with the solid state polymerization reaction and what type of problems engineers face with. Moreover, to see reactors and separation units was a good experience for visualizing them. Most important part was that I experienced the shut-down procedures of the plant- all of the equipment-are repaired individually. By using MSDS of the components or materials, I've also become familiar with the specifications of the materials and how to use that data sheets properly.

Internship at Sanovel Pharmaceuticals (06.11.2011-12.12.2011)

As a chemical engineer candidate it was a good experience for observing solid, liquid, semi-solid, sterile pharmaceuticals and cephalosporin production steps. In solid production department, there were fluidized beds for wetting process, it was a chance to understand their operation principles and their usefulness in the pharmaceutical industry. Also it was very important for me to see the working environment and working conditions in a drug industry to get an opinion about my future career.

Busser at Global Staffing Solutions New Orleans, Louisiana (2010) and Waitress at Mike's Sea Food Restaurant in Sea Isle City, New Jersey (2010)

In order to widen my horizons, by the Work and Travel program, I went to US and over there I worked as a waitress at a sea food restaurant. It was an amazing life experience for me , I have learned how to get along with people(team work) who are totally strangers for me. Also, I had the chance to improve my speaking and listening skills.

Computer Skills:

Effectively using Microsoft Office programs (Word , Excel, Powerpoint, Outlook, Project Management). Also, engineering software as; chemcad, polymath, matlab, solid works, aspen plus, mixprops.

Language Skills:

Mother language: Turkish

Second Language: English (good writing, reading, listening and speaking skills) TOEFL:89

Third Language: German (beginner) (A1 Certificate Score: 96)

Projects:

Biomass Conversion under High Temperature/High Pressure Water (2013)

It was the undergraduate thesis project of mine. The aim of the study was to degrade cellulose under subcritical water to obtain Levulinic acid (LA) and 5-Hydroxymethylfurfural (5-HMF) as a major product and observe the temperature, reaction time and oxidizer effect.

Methanol to Gasoline Plant Design

The energy demand of the world is increasing day by day because of the increasing population and developing technology. However, the sources like coal and petroleum unfortunately are limited. So, the problem statement was designing a BioMethanol to Gasoline Process (MTG). So, me and my team designed the Fluid Catalytic Cracking (FCC) unit and then separation units in order to separate LPG and Gasoline. The CapCost analysis was done in order to predict the future profit of this plant.

Hobbies:

To read books some favorites can be listed as: To kill a Mockingbird(Harper Lee), Tutunamayanlar(Oğuz Atay), The Unbearable Lightness of Being(Milan Kundera).

Travelling, exploring different cultures, meet with new people and taste different food and drinks. Most favorite city in Europe is definitely Barcelona and Picasso Museum was one of the greatest place in there.

Playing transverse flute, about three years I played in the conservatory in Turkey.

Reference:

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