ZEHRA BUSE IŞIK

SOFTWARE DEVELOPER

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EDUCATION

Gebze Institute of Technology, 09/2011 – present	▪ Computer Engineering

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PROJECTS

Image Processing for Chemical Analysis	▪ I developed a project which making analysis of protein gel. ▪ I used **OpenCV** and I implemented this project **in C++.** ▪ I created a graph according to the density of protein and I used this graph to realize analysis operation. ▪ At the end of this project, I learned how to use OpenCV by myself and this project gained to me understanding of C++ much better. ▪ When I finished the project, I created a library similar as Imagej that one of the image processing library. ▪ As a result I passed with AA from this project lesson.
Haptic Navigation Devices	▪ I worked with a team which has seven person. ▪ I was in software module of this project and I implemented path algorithm with using graph. ▪ This project was for blind people. ▪ This project gained to me that how to work with a team in a project and I understand how important planning and scheduling in a long term project.
Web Page Designed for a Preschool	▪ I created a web page with using **HTML**, **PHP** and **Javascript**. ▪ I didn't use any tool for design.
Simple Face Masking Application with Unity	▪ I developed an application which making face masking. ▪ I used **Unity3d** and **OpenCV** ▪ I implemented it with **C#** and **C++.** ▪ In this project I learned how to integrate **Unity** with **OpenCV and** how to use them together in same project. ▪ I also used **haarcascade classifier.**
Designing and Implementing Learning Animal Game for Children	▪ I designed and implemented a game for children. With this game children can learn animals easily. ▪ I implemented it in **Java**. ▪ I used **factory** and **strategy** design patterns.
Detecting and Analyzing Parked Domain	▪ I'm still working on this project. ▪ I implemented **a web crawler** that extracting links of a web page until now. ▪ I used **Postgresql** database to store extracted links. ▪ I used **JSoup** and **Weka**. ▪ I implemented crawler in **Java**.

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PROFESSIONAL EXPERIENCE

Yapay Nazar Yazılım Limited Şirketi **Software Development Intern 2015**	▪ I learned computer vision basics during this internship. ▪ I learned how to use **OpenCV** and understand much better it to use in a project. ▪ I made an Image Processing project that will be used Chemical Analysis. ▪ The aim of the project was getting similar results with ImageJ program. ▪ Result were similar %91.3 with ImageJ program.

ADDITIONAL INFORMATION

Language Skills	▪ Fluent in English
Tools & Technologies	▪ Netbeans, Eclipse IDE, OpencCV, Unity3d, Microsoft Visual Studio, Enterprise Architect, JSoup, Weka
Programing Languages	▪ Advanced: C,C++,Java, ▪ Intermediate :HTML,PHP,MIPS Assembly, Bash Script, C#, Python, Ruby

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