

Descriptive Cover Letter

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2023-10-25

Currently I am looking for jobs where I can gain experience on data streams and building highly available and scalable, orchestrated micro services.

Background

I have have an Associate Degree on Computer Programming from CELAL BAYAR UNIVERSITY and a Bachelor of Engineering Degree on Computer Engineering from ERZURUM TECHNICAL UNIVERSITY and done 3 internships.

Education

My first (associate) curriculum was designed to be more practical and oriented towards software engineering¹.

My second curriculum was similar to the Stanford computer science curriculum with addition of courses on math and physics. I have took multiple courses on Programming Languages², Data Structures and Algorithms³. Following with Database Management Systems⁴, Web Development⁵, Software Engineering⁶ and delivered 2 Graduation Projects.⁷

Professional Experience

At the latest: I worked at Vestel for a month. Built .Net Core solutions that are for providing tractability to produced materials and to audit the process of production while having an easy/accessible interface for to be used by assembly line operator.

I also have worked on a development of a computer vision project for detecting and reading qr code/data matrix that are passing from the production line.

At prior, I worked as backend intern for 3 months. Written a REST API interface with NestJS, merging multiple SMS service providers APIs into a single service. Also provided help to colleagues at their devops problems such as providing help on dependencies of grandle/make projects and helping them on their linux, docker, bash issues.

My first internship after my associate degree was 6 months: working on WordPress solutions, building and hosting websites for academic conferences and commercial websites.

¹ C# OOP, .Net Core, MVC
.Net Framework, MySQL,
Apache/PHP/HTML/CSS

² Python (also own a certificate), Java
(Swing and OOP), C, C# (OOP/Unity
Course)

³ , Data Structures and Algorithms:1, 2
and 3 (Algorithm Design), File Orga-
nization (it's a in depth hash mapping
course), Machine Learning Courses:
(Artificial Intelligence, Deep Learning,
Data Mining, Associate Rule Mining,
Computer Vision), Cryptography, Oper-
ating Systems and Socket Programming

⁴ As a project I have developed a
MongoDB CRUD application with
Tkinter

⁵ MVC .Net Framework

⁶ Where I have led team of 7 to built
a web project. I myself designed the
architecture and built the backend on
FastAPI and instrumented frontend
with backend on 2 docker container
(code is available at my GitHub).

⁷ First one was deep learning based
detection & tracking. Second was non
deep learning/purely computer vision
way of detection & tracking, utilizing
color and shape based algorithms.
Both projects were intended to classify
swarm robotic movement on real time,
but because of the 2023-earthquake we
didn't had access to the lab and instead
worked on recorded footage.

About Me

I like to self study computer science and math as a hobby.

I study using collage text books or publishes of senior developers. Trying to foundational computer science literature, old or new blog posts, history of computer science and the math behind it. I follow the news on Hacker News daily and often had a chance to understand the associated reasons for the latest tech trends (hypes). I also have been using Linux since high school and enjoy tinkering with OSes.