Descriptive Cover Letter
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My base cover letter template, covering my personal motives.

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 curriculum was designed to be more practical and oriented towards software engineering[1].

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 Languages[2], Data Structures and Algorithms[3]. Following with Database Management Systems[4], Web Development[5], Software Engineering[6] and delivered 2 Graduation Projects.[7]

Internships

I have completed 3 internships.

First one lasting 6 months, working as a WordPress developer. Creating themes and hosting the solutions and writing the SQL queries for the back-end.

At second, I worked as backend intern for 3 months. Refactoring old Java backend code to Nodejs/Nestjs environment and creating a new service that merges multiple GSM/SMS providers APIs into a single service that handles message inputs and re-directs them to the associated GSM provider.

At my last, one month long internship: I built .NET Core/MySQL projects that sends scripts to a ZBL printer to create a bar code and an another software that read these bar codes to audit the timings of production line and allow for utilization of marked material. I also have worked on a development of a computer vision project for detecting and reading qr codes that are passing from assembly line.

[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 Organization (it's a in depth hash mapping course), Machine Learning Courses: (Artificial Intelligence, Deep Learning, Data Mining, Associate Rule Mining, Computer Vision), Cryptography, Operating 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.

Computer science as hobby

I self study computer science and math as a hobby. I currently may not hold a expensive portfolio or professional experience but I have plenty of formal and cultural information within this field which benefits me greatly on learning new technologies and solving problems.

I genuinely enjoy using all programming languages. Be it low level or high level; functional, object oriented, iterative or some other paradigm. Lately I have got into Rust programming language to build low level programs and a operating system. I plan on learning Go and Haskell too.

I self study with post-graduate collage text books, read famous books in computer science literature, old and new blog posts, history of computer science and the math behind it. I follow the news on Hacker News, often know the associated reasons for the latest tech trends. I also have been using Linux since high school.