Umut Deniz Darendeli

Cover letter included

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EDUCATION

Last Year of: Computer Science – Wrocław University of Science and Technology

09/2017 - Present, Wroclaw, Poland

- Taking courses focused on the latest trends in computer science and digital project management software. The studies include a variety of programming paradigms.
- I excel at machine learning, game programming and of course web development.
- The school program also includes the basics of mathematical analysis, algebra, metrology, and physics. **In addition to my previous studies in Physics.**

PREVIOUS EXPERIENCE

Junior Front-end Developer

Companies: Freelance, Emirates Airlines

05/2019 - 09/2021, Wroclaw, Poland

- Worked with a pre-built component system structured on vanilla JS.
- Went through a comprehensive **HTML, CSS, JS** tutorial and learned perspectives on front-end framework solutions.
- Worked with an **agile team** to deliver for clients using **JIRA** and **bitbucket** and **Slack**.
- Currently writing React.js web applications for my school and projects.

Mathematics, **Physics Tutor**

Clients: Students   09/2015 - 05/2020, Turkey/ Poland

- Both to private students as paid tutor, and in classroom environments as a volunteer teacher; I worked for more than 5 years as a tutor for many students.
- Teaching subjects according to the yearly curriculum of the student, arranging yearly curriculum and QA hours.
- Subjects I thought also include Object Oriented Programming and English.

Technical Abilities

- **Frontend Web Development:** My main tool is **React.js** therefore I am knowledgeable on HTML5, CSS3, ES6, old type templating engines like Nunjucks, jQuerry, canvas and SVG drawings, used both material-ui and sass. My main tool that I currently use is React.js. Where I implement my thesis project of creating a web application for mathematics classroom.

- **Game Development:** I developed a few small scale 2D games on **Unity**. I like writing game systems to create various environments for players.

- **Backend Web Development: Node.js** with express backend framework, experience with APIs, HTTP methods, response types, session handling, hashing passwords, databases to hold information, C# (mostly)MVC backend structure.

- **Data Science - Business Intelligence:** I used **Python** for data manipulation, Numpy, SQL databases, Power BI. SSIS, mostly each for six months of extensive assignments. I think I can learn the same work in different frameworks.

  Computation of mathematical models of real-life data for me is one of the important applications of computer science. Therefore, I keep my skills sharp and try to add more tools as much as possible.

- **C++, C#, Java:** Moderate user of these languages, On C# I wrote my game scripts with lots of OOP structure to consider, C++ and Java I got to learn in classroom during studies.

- **Git, Bitbucket:** I have some experience with version control systems.

- I worked with **Workflows, Jira, Agile Teams.** Would like to consider myself as a great team member.

- I can begin working and learning on anything if it will be useful.

Cover Letter

With my application, what I want to promise is to make improvements on my position and to be a great employee. I benefit from having a long educational life where I got to investigate two major departments. Physics with calculation abilities, combined with computer science through embracing most of the field makes me a possible applicant for various areas of computation at Junior level. I can focus myself to learn any new toolkit or technology approach. My favorite technologies are creating interfaces for a large variety of projects. Whether it is designing and implementing UI for web applications, creating the engine for logical operations, to writing game systems and architectures for computer games, moreover; playing with datasets to get indices, averages, descriptors; writing models to predict and adapt around the behavior patterns.

The tools I use to implement my projects are neatly summarized above. These are the tools I spent considerable time with, however, I am always open to learning more technologies for the projects I am supporting. Please feel free to contact with me for software related projects.

Umut D. Darendeli