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Backend Engineering Internship, Vehicle Software - Tesla
3500 Deer Creek Rd, Palo Alto, CA 94304, United States

Dear Tesla Hiring Manager,

As an aspiring software engineer and a passionate car enthusiast, the role of Backend Engineer at Tesla is a dream job and an exciting intersection of my skills and interests. Having been an early follower of Tesla, I am eager to contribute to the development of vehicles defining the standard for electric cars and believe I will be a great asset to the team.

During my time as a software engineering intern at Exponet Canada, I became well versed with Java and React, developing a keen understanding of how both tools are used in backend and frontend development. I created 6 fully functional and high-usage front-to-back features which were key to centralizing all the marketplaces used by the company and managing inventory.

Going into my second internship at Achievers, creating bug-free and robust code became crucial to ensuring a positive customer experience. I was responsible for developing the notifications microservice using Python and debugging it by reproducing bugs on our staging servers. I created all unit and integration tests, ensuring full coverage was met and all edge cases would be covered.

Lastly, cars have been a personal passion of mine for many years - in my spare time, I have consumed countless blogs and videos on anything car-related, and have dedicated many hours into researching parts for my future dream car (for what it's worth, it's a 1991 Honda NSX). As the automotive industry evolves, I am very excited for the potential to contribute to the forefront of EV technology.

Thank you for taking the time to review my application. I am excited about the prospect of joining a team-oriented environment that will grow my knowledge, facilitate constructive discussion, and create a significant impact to generate a sustainable future. I believe I am a strong candidate for this position and feel that it is a perfect union of my expertise and personal passions. Looking forward to speaking with you about this opportunity!

Thank you,

Andrew Xu