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Dear Internship Coordinator,

I am very interested in the internship with the Software Engineering Department of CarGurus during this summer. I am currently a Junior student at Brandeis University pursuing a B.S degree and will complete my Computer Science B.S major this semester. My experiences mainly focus on software engineering: I have built a lot of apps/websites(full-stack) on different platforms. Since those apps/websites are similar in their architectures, those experiences made me very adaptable to different or new technologies/frameworks/platforms. Now I am learning and applying Convolutional/Recurrent Neural Networks to Computer Vision studies.

Last year I was living off-campus and got the need to buy a used car to go to school. I met CarGurus and I used it as my primary research tool on used cars. The unique feature I love about CarGurus is that it compares the specific listing of car to the market and indicates the user how much money is the listing above/below the market. Finally I bought a rav4 from a dealer from the listing and drive it every day now.

This January luckily, I got a chance to meet Igor from CarGurus. I talked with him about the technologies that are used in CarGurus. I got to know that the website is built with Spring framework; there is also a ruby team and CarGurus has a large dataset to let them build a regression model for prediction.

Java is the primary language in my school and I am quite proficient in that language. In my software engineering class, I built a full stack Ruby on Rails website (Postgresql) that pulls homework data with web scraping and write in to database for later reminder, all in the backend with async tasking and push notification for updates to the frontend. In my first-year summer, I also built a Voice Control Chess website with meteor.js (on top of node.js with MongoDB) that lets user play chess online with their voice. From several projects like those I gained much experiences in building applications in computer science.

I am confident that my experiences, skills and strong interests have prepared me to be a strong intern for your program. I have attached my resume and look forward to discussing my qualifications with you. Thank you for your time and consideration.

Sincerely,

Jincheng Zhang