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AppNexus
28 W. 23rd Street
New York, New York, 10010

Dear Hiring Manager:

I came across the listing for the “Software Engineer, Back End and Web Services, Creative” position while browsing through a job board, and I feel like I have qualifications and the drive necessary to fill the role effectively.

By the beginning of the coming summer, I will have graduated from Carleton College with a degree in Computer Science through which I developed much of my skills as a capable engineer. During the last two summers, I’ve worked at two different startups that allowed me to take a large responsibility over projects, and I feel I’ve gained important insights on developing for production systems as well as working as a greater team.

In terms of the relevant technologies, I’ve done extensive work in C and in Java. These include implementing an interpreter for Scheme, integrating a physics engine to a graphics system, and using an evolutionary neural network to create effective connect-four players. I have thorough exposure to using packages, and am aware of the associated risks and challenges.

I’ve had exposure to testing concepts and will be using them as a part of the senior capstone project that I am a part of. So far in this large project, I’ve used various development tools for ease and optimization. For example, a profiler was used most recently to detect costly list comprehensions which were replaced with a significantly faster package operation.

I’ve had experience in working with databases and web services. Recently, during the development of the prototype CheckMeet, I utilized AWS’s DynamoDB in conjunction with API Gateway to create a backend for managing user check-ins and comments.

I hope that the above points demonstrate my familiarity with the developmental process and technologies, as well as my eagerness for this position. Thank you for your consideration.

Sincerely,
Ju Yun Kim