

Dear Hiring Manager,

It's with great interest that I am applying for the Software Engineer position with your company. I graduated with a double major in Computer Science and Applied Math. Being a quick learner and a passionate programmer, together with strong technical and analytic abilities, I believe myself a perfect fit for this position.

I programed in Java for four years and worked with a number of projects. In my most recent project, I used Maven Framework to set up the project and applied MVC structure and RESTful Web Service, also utilized Java Servlets and plugged in Tomcat server. Acquired the insight of web developing, now I can build up a website quickly using different tools such as Node.js or Ruby. I also have a passion for theoretical computer science. I love solving problems and have a sharp mind on Algorithm and Data Analysis. I constantly challenge myself on programming data mining algorithm, e.g. SVM, DLA, EM, KNN...etc. These programming tasks led me an in-depth thought of computer computation. Being a well-rounded engineer, I self-learned Docker, Kubernetes, Spark, Kafka, Nginx and worked on many interesting programs around it.

Programming isn't everything in my life. I also acquired leadership skills by hosting hacking events on campus. I sit on the board of the coordinating committee and serve as the public relations officer for the ACM-W Woman in Computer Science, under the Computer Science Department in Stony Brook University, which allows me to set up a good personal network. These experiences gain me a great personality and make me a more qualified candidate for the software engineering position.

Thank you for your time and consideration. Some samples of my works is in my code repository: <http://github.com/shanni>. More coding works and any additional application materials are available upon request. I appreciate for giving me the opportunity to apply for this position.

Sincerely,

*Shan Liu*

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