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August 17, 2022

Dear Someone,

I am writing this letter to express my interest in your posting on LinkedIn for the [OOOO] position at [XXX Inc.]. I am a graduate student at Carnegie Mellon University majoring in Software Engineering and I'm very excited about combining my technical skills in [web/xxx/xxx] with the project of your team.

At CMU, I developed a COVID-19 emergency communication social network with my team using HTML/CSS, Pug, Bootstrap, JavaScript (jQuery) as frontend, and Node.js (express), MongoDB as backend. I was responsible for implementing the backend functionality, some frontend behavior, and refactoring code when necessary. And we applied several software engineering practices such as Agile, unit tests, CI/CD, design pattern for this project.

Besides, I coordinated with my teammate across different time zone and everything ran smoothly since we had good communications, strick time scheduling and flexible work load balancing. Everyone could support each other. I am confident my passion of software engineering and teamwork skills make me an excellent match for this position.

I understand that capability of learning new technologies is a very important asset to be a software engineer. Based on my previous working and research experience, I have a diverse background such as system software/firmware, DevOps and machine learning (focus on speech processing) besides software engineering. In Novatek Microelectronics, I improved the verification report generator of television IC, audio driver, and optimized DTS sound effect algorithm with DSP processor solving the trade off of accuracy and efficiency. Also, when I interned at Schlumberger, I deployed sample application on internal Azure Kubernetes clusters with Observability tools (Grafana, Prometheus) and established pipeline to manage CI/CD process. Additionally, during my bachelor and master degree research, I digged into speech processing and study for Mandarin language model and speech recognition. These experiences show that the solid knowledge I have allows me to switch to different roles. I am willing to do any new attempts and am able to make good use of previous knowledge.

I am highly motivated to contribute my passion, broad knowledge and software engineering skills through this position. Thank you for your time and consideration. I look forward to discussing my qualifications with you in the near future. I can be reached at 341-314-7855 or by email at hanyuny@andrew.cmu.edu.

Best,

Han-Yun (Henry) Yeh