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Hello Erin Creighton:

My name is Yuying Zhang, a rising third-year student at the University of Virginia (UVA) double major in Computer Science and Economics, Minor in Science and Technology Policy. I am writing to apply for the Summer Internship SWE at Microsoft, because I want to empower individuals through my favorite Azure platform and Microsoft enterprise products.

Comparing all three major cloud platform, I think Google Cloud Platform is most suitable for consumer use, AWS for low-level enterprise use and Azure for high-level enterprise use. Azure has very good combination of service and defined use case which makes it easy for enterprise to prove their concept. I enjoy being an idea bank with the help of Azure, and I also created many internal value during my internship using Microsoft Apps for business. For example, I use Microsoft Flow to trigger Azure Functions to enable background processing on document in SharePoint. As an intern, I completely automated 20% of my colleagues' work, which made myself feel important in the team.

I also enjoyed working with Active Directory and LUIS. I designed the architecture and built a chatbot hosting on Azure using LUIS as language recognition and Functions App to enable automation workflow. I chose LUIS because it's best for text-based natural language processing, while Google DialogFlow is not modularized enough and Amazon Lex is better for Voice Recognition. This makes me really curious about the artificial intelligence behind the product. I want to explore how GraphAPI makes authentication and information sharing easier, and provide feedback on the limitation I find with waterfall dialog. I hope to continue the passion and even create my own product for Microsoft.

I want to empower individuals with more inclusive technology at Microsoft. Please contact me at (510)277-2647 or yz3uj@virginia.edu. Thank you for your consideration.

Sincerely,
Yuying Zhang