Dec. 20, 2023

Microsoft Corporation  
One Microsoft Way  
Redmond, WA 98052

Dear Microsoft Hiring Team,

I am writing to express my enthusiastic interest in the Explore Program: Internship Opportunities for Second-Year University Students, as advertised on Microsoft's career portal. As a sophomore majoring in Computer Science at the University of Washington, I am eager to contribute my skills and passion for technology to the innovative environment at Microsoft.

My academic journey has equipped me with a solid foundation in computer science, and I am particularly excited about the prospect of gaining valuable insights through Microsoft's internship opportunity. Proficient in programming languages such as Java, C/C++, Python, JS/TS, SQL, OCaml, and Racket, I bring a diverse skill set to the table. My effective communication skills enhance collaborative efforts, and I am committed to staying abreast of cutting-edge developments in the tech industry.

In addition to my coursework, I have a keen interest in software engineering, programming languages, databases, and computational theory. I have actively pursued self-study in these domains through extensive reading, online tutorials, and participation in related reading groups. As part of my academic journey, I developed a campus map web app that featured a user-friendly GUI on the frontend, a robust server, and backend database analysis—a valuable mini full-stack development experience. This application underwent thorough testing using the JUnit framework.

My practical experience extends to serving as a teaching assistant for a programming languages course focused on functional programming paradigms and interpreter constructions. I provided essential support to the professor in various capacities, including designing homework assignments, setting up autograders, crafting comprehensive test cases, and coordinating the grading process. Additionally, I contributed as a research assistant at the University of Washington's Programming Languages and Software Engineering lab, engaging in large-scale query processing, parsing, and data cleaning using SQL databases—a testament to my passion for data management and analysis.

In terms of community involvement, I volunteered at the SIGMOD conference in 2023, contributing to the vibrant tech community. I also participated in the TAPIA conference in 2023, celebrating diversity in computing. I am committed to contributing to the CS community by advocating for equal opportunities and fostering an inclusive environment for all.

I am confident that my academic achievements, technical skills, and practical experiences make me a strong candidate for the Explore Program. I am excited about the opportunity to bring my enthusiasm for technology and dedication to excellence to Microsoft. Thank you for considering my application.

Sincerely,

Stanley Yang

Text, letter, whiteboard

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