Zachary Espiritu

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Hi Cruise,

My name is **Zachary Espiritu**, and I'm a student at Brown University concurrently completing a Bachelor's of Science and a Master's of Science in Computer Science with an expected graduation date of December 2021. I'm interesting in working at Cruise as it presents an appealing opportunity to work on cutting-edge, disruptive technologies that I believe will revolutionize the way transportation works in the future.

Here's several reasons why I think I have the preparation and skills that would make me a great candidate for Cruise:

- **Go / Golang experience.** I've worked directly on several Go / Golang projects in my coursework at Brown, and I'm experienced with using Go fundamentals and its core features to develop distributed key-value stores and secure storage systems.

- **Unix / Linux knowledge and fundamentals.** I've served as a SPOC (Systems Programmer, Operator, and Consultant) for the Brown CS department; as one of 4 undergraduates part of the official department technical staff, I've managed and maintained the department Linux systems used by faculty and students on a daily basis. Additionally, I've served as a Head Teaching Assistant in a computer security course in the Brown CS department for the last several years—as part of this role, I've taught over 200+ students on Unix / Linux security fundamentals. Finally, I spent over 4 months developing Weenix, an end-to-end operating system kernel based on Unix, with process management, file system interfaces, and virtual memory.

- **Research experience.** My research experience in the last several years makes me a great fit for Cruise as it demonstrates that I have the skills to make significant contributions in a still-underspecified, ever-evolving field. I've co-authored 2 publications (currently under review) and am actively working on two more publications to be published by the end of the year.

Thank you for your time and consideration. Please let me know if there's anything else you need from me—I look forward to hearing from you!

Best,
Zachary