Yaolin Ge

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WAYMO
The United States

Internship in "Hardware Engineering, Audio Signal Processing Software Development, EAR"

This is Yaolin GE, a final year master student from the major of Maritime Engineering at NTNU-KTH, expected to graduate by Jun 2020, a creative and enthusiastic engineer who really enjoys making a difference in the autonomous driving field as WAYMO does, making vehicles and operations safer, cleaner, smarter. My background so far has been quite interdisciplinary, spanning the border of classical acoustic system to sonar engineering, and the potential to continue this sort of practical skill gaining is what first attracted me to pursue this internship, pursuing an internship with its diversity of field in Signal Processing systems, will allow me to learn from people at the top of this exciting field. This eye-opening internship will enable me to pursue my practical interests to a much greater depth while also expanding my future career opportunities within the autonomous driving industry. It is also worth mentioning that joining a community of other like-minded individuals will be a valuable chance for collaboration and personal development. I believe that I am a highly motivated student and also a well-qualified applicant.

Signal data quality together with its processing systems will play an important role in the future of the autonomous industry. The internship position attracts me to engage even more via learning and using advanced technologies to enhance the autonomous world.

As a result of the strong interest in exploring autonomous systems, I urged myself to learn more under an advanced study environment, for which I then pursued my dual-degree master's study within Marine Technology at NTNU-KTH. The interdisciplinary study and research environment rewarded me a lot in terms of practical skills and personal growth. I together with the other 11 people designed and manufactured a self-autonomous sailing boat here at KTH SMaRC. Nowadays, I am conducting my MSc degree research on signal processing for underwater communication systems for underwater robotics, which again rekindles my interest in acoustic signal processing field. Thankfully, those experiences enhanced my ability to a deeper level to utilize engineering methods to solve practical problems. I feel much more confident about my practical skills.

With this wide range of experiences, I have gradually developed a liking taste in the signal processing field. I develop motivation from the level of responsibility and independence required of a graduate student and relish the opportunity to prove myself at this level.

To sum up, I expect to contribute to industry and society with my professional knowledge and practical skills obtained from this internship program. With full confidence in me as well as the professional training you provide in the program, I believe that my plan will be realized any time soon. Thank you very much for your time and consideration.

Applicant: _Yaolin Ge_