

Lei Sun is a Technical Program Manager at TuSimple, an autonomous vehicle tech company with a mission to improve the safety and efficiency of the trucking industry. Before she stepped into the Automation industry, She served as a data engineer and a researcher. She has over 12 years of engineering Industry working experience in the field of Telecommunication & Web Services.

She has a strong technical engineering background. She completed her first master's program in Software Engineering at Huazhong University of Science and Technology in China in 2011. After graduation, she first joined China Mobile Communications Group Corporation(CMCC), the largest wireless carrier in China, with 800 million subscribers, where she served as a data engineer who was responsible for Business Intelligent Platform development. She achieved several key milestones which not only demonstrate her techniques but also indicate her leadership ability, including an Outstanding Project Award and a champion of Best QA project in a QA competition.

She then joined iQIYI in 2015, the Chinese largest online video platform with 200 million subscribers. Promoted as a Senior Product Operation Manager, she managed not only the technical issues but also optimize business performance. She was innovative and initiated user acquisition programs and retention programs. She achieved a significant 3x amount subscribers boosting from 10 million to 30 million in 7 months in 2016. Furthermore, she expanded user notification from a pure sole channel to diverse multimedia channels. Those projects that she launched have built a solid user engagement foundation and effectively supported iQIYI's fast-growth revenue goal, which contributed to the company's successful IPO later in 2018.

After 7 years full-time engineer manager, she decided to pursue her second master's program and came to the US in 2017. She held an ME in Systems Analytics from Stevens Institute of Technology, where she participated in a lab to focus on her research on improving system performance and accumulated an extensive publication record.

Being experienced as an industrial engineer and a college lab researcher, she deeply understands what both industrial engineers' and institution researchers' participation needs and also the strong contribution willingness to the scientific community. Her goal is to strengthen the Sigma Xi Society's functionality. She will devote herself to raising awareness of Sigma Xi and its mission for wider public audiences.