



Job Description: Lead Technologist, Tulco Asia

About Tulco Holdings

[Tulco, LLC](#) is a holding company based in Pittsburgh, Pennsylvania, that seeks to disrupt large sectors of the economy through the application of advanced data science. Tulco was founded in 2017 by Thomas Tull, a serial entrepreneur who, prior to Tulco, served as the Founder, CEO and Chairman of the Board for Legendary Entertainment, where he produced and executive produced more than 40 films that together have realized grosses of more than \$13 billion at the worldwide box office. The China-based conglomerate Dalian Wanda Group acquired Legendary Entertainment in 2016. In addition to his executive role at Tulco and helping lead other civic and charitable organizations, Mr. Tull presently serves on the MIT School of Engineering Dean's Advisory Council and the Carnegie Mellon University Board of Directors.

Tulco identifies industries with static business models and takes material stakes in companies ready to scale with the adoption of leading-edge and proprietary technologies. While these companies operate independently, Tulco partners with them at the highest management level to provide operational support and execute their strategic objectives. By bringing together a long-term vision with deep technological expertise, Tulco provides a superior alternative to traditional funding through a hands-on operational approach and a supportive and flexible capital structure — delivering synergies and lasting competitive advantages for both Tulco and the companies in which it invests. Tulco's current investments include [FIGS](#), [Acrisure](#), [RoadRunner Waste Management](#), [Edgeworth Security](#), and [SEER](#).

Position Description

The Tulco team includes world-class experts with varying backgrounds representing a diverse set of technology areas as well as experience in innovation as part of academia, industry research organizations, standardization bodies, technology incubation R&D, and start-ups. Our culture values deep technology expertise, first principles thinking, humility, innovation management, and entrepreneurial mindset, as well as the ability to scope novel solutions to drive successful new strategic initiatives.

Tulco is undertaking an expansion of its operations to China—with a launch date expected in 2021 or 2022—where the company has deep connections following its founder's significant film industry success. The Lead Technologist, Asia, who will be resident in Tulco's forthcoming Beijing offices, will be a critical component of Tulco's plan to further develop its advanced AI resources and expand into greater hardware technical proficiency (including robotics, acoustical sensor development, and related fields), with the intent of also identifying and developing potential Asia-based acquisitions. The Lead Technologist, Asia, also will help build the Tulco Beijing team and provide input on future deal sourcing. Opportunities exist to drive operations at Tulco's investments (located worldwide) and coordinate various analytical projects.

Day to day responsibilities will include:

- Lead the company's technical development efforts in China, and advance the company's technology roadmaps, to enable the organization to address high-impact business problems
- Attract additional world-class engineering, research, and product talent to Tulco and play a central role in building a culture and organization in which they can thrive
- Help set the standard of technical excellence and strengthen the Tulco portfolio via broad initiatives and individual mentorship
- Be a thought leader in emerging technology areas in the enterprise
- Actively form and maintain R&D collaborations and strategic alliances with leading academic institutions, and engage in technology scouting in relevant technology areas on behalf of Tulco
- Work closely with multiple divisions of the company on R&D efforts, external strategic investments, and corporate development in execution of the company's technology vision

Position Details

- Location: Beijing, China
- Travel: Travel may be required throughout East Asia, but is not immediately anticipated
- Compensation: Competitive salary with bonus opportunities

Skills and Experience Required

- 5+ years of relevant engineering or research experience in industry, including in a hands-on technical leadership capacity
- Masters or Ph.D. in computer science, electrical engineering, or related technical fields with preferred concentrations in one or some of the following areas:
 - Machine learning
 - Data science / AI
 - Data integration
 - Robotics and automation engineering
 - Embedded AI integrated circuits
 - Sensor development (such as in the area of autonomous vehicles)
 - Quantum computing and/or supercomputing
 - Cloud computing
- Excellence in relevant research as evidenced by publications in top ranked field-relevant journals, awards and accolades, or presentations at significant conferences
- Ability to understand technical designs, challenges, trade-offs, and risks
- Ability to influence and motivate people across a broad variety of job functions through your relationships
- Experience collaborating with universities and other public sector research organizations
- Experience in startups, incubators, or scouting new technologies globally
- Excellent interpersonal, written, and verbal communication skills. Able to deliver complex content in a clear, concise, and persuasive manner to multiple audiences, including business leaders, technology managers, and technology practitioners. Strong team player and a participatory leader
- Very disciplined; ability to multitask, manage competing priorities and operate effectively within a matrixed organization