YOUNGEUN PARK
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(857) 214-1099

education

2025 - 2027 **HARVARD BUSINESS SCHOOL** **BOSTON, MA**
Candidate for Master of Business Administration, May 2027
- Club Member: Management Consulting, Future of Mobility, Tech, Women's Student Association, Poker.

2011 - 2016 **GWANGJU INSTITUTE OF SCIENCE AND TECHNOLOGY** **GWANGJU, SOUTH KOREA**
Bachelor of Science in Chemistry
- Awarded Korean Government Scholarship (full tuition).
- Specialized in electrochemistry; thesis on solid oxide carbon fuel cells and carbon gasification.

experience

2020 - 2025 **SAMSUNG SDI CO., LTD** **YONGIN-SI, SOUTH KOREA**
EV Battery R&D Engineer & Technical Project Lead
Audi EV Battery Development Project (Strategic Development) - Led cross-functional R&D, aligning innovation with business strategy to develop high-performance batteries, strengthening Samsung's premium positioning.
- ***Business Judgment***: Structured technical–commercial trade-offs for Audi's EV requirements, quantifying performance and cost impacts to set actionable R&D targets that reduced time-to-validation by 15%.
- ***Data-Driven decision making***: Directed parametric simulations and validation studies to optimize material design, achieving 25% faster charging while maintaining durability, enabling adoption across multiple EV platforms.
- ***Cross-Functional Leadership***: Led a 20+ member cross-functional task force across R&D, product planning, and business to synchronize technical milestones with commercial priorities, enhancing coordination efficiency and accelerating client approval cycles
- ***Client Engagement & Negotiation***: Served as primary liaison to Audi, facilitating consensus on performance–cost trade-offs to co-develop specifications that met both client and Samsung profitability goals, strengthening long-term partnership.
- ***Strategic Impact***: Delivered product adopted across Audi & Porsche EV platforms, generating $4M in new revenue and enhancing Samsung's market share in the premium EV battery segment.

BMW PHEV Battery Project (Root Cause Resolution) - Led post-launch crisis response through structured root-cause analysis and data-driven client negotiation, identifying assembly-line contamination and mitigating safety risk, preserving Samsung's credibility and client trust.
- ***Structured Problem Solving***: Applied hypothesis-driven problem solving to analyze battery fire incidents, isolating defect origin and confirming client-side contamination, preventing multi-million-dollar in potential liability exposure.
- ***Forensic Experimentation***: Designed and executed controlled contamination simulations, identifying thermal propagation mechanisms that informed new safety design protocols.
- ***Evidence-Based Communication***: Synthesized and presented technical findings to BMW's engineering and legal executives, building client confidence through transparent, data-backed communication that prevented escalation to litigation.
- ***Crisis Resolution & Risk Mitigation***: Established root cause in BMW's assembly process, mitigating Samsung's liability risk and co-developing new bilateral QA standards later institutionalized across all joint programs.
- ***Strategic Outcome***: Preserved long-term partnership credibility and institutionalized improved QA benchmarks, setting a precedent for future collaborations and reinforcing Samsung's reputation for data-driven accountability.

2017 - 2019 **GROUPE SCOLAIRE SAINT JOSEPH KABGAYI** **MUHANGA, RWANDA**
Science Teacher
Trained local educators and built sustainable STEM programs, strengthening science capacity in underserved communities. (Sponsored by Korea International Cooperation Agency, Ministry of Foreign Affairs of South Korea).
- ***Leadership & Capacity Building***: Trained 50+ local teachers in pedagogy and laboratory techniques, improving science education quality in resource-constrained schools.
- ***Program Development***: Founded and led a science club conducting bi-weekly workshops to promote critical thinking and problem-solving among students. Designed low-cost, hands-on experiments using local materials, increasing student participation and sustainability of STEM programs.

community Led weekly STEM tutoring for underprivileged children for 5 years, improving academic performance and sparking curiosity in science.

personal Rookie violinist and avid traveler (20+ countries).