

# Dongjae Yi (이동재)

Technical Program Management | Automotive & EV Systems | Cross-Functional Leadership

Technical Program Manager with 13+ years leading cross-functional automotive and EV system programs across APAC and Europe. Experienced in end-to-end delivery of complex hardware-software integration, bridging engineering and business teams to enable next-generation autonomous and mobility solutions. Skilled at coordinating AI/analytics-driven initiatives, using data insights to improve program delivery and product performance.

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## SKILLS

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|---|--|--|--|
| <b>Program &amp; Delivery Management</b>    | End-to-end ownership, cross-functional delivery, Agile/Scrum, roadmap planning, risk management, stakeholder alignment | <b>Systems Thinking &amp; Validation</b> | System-level architecture, HIL/SIL, model-based testing (Simulink, dSPACE), integration planning, performance verification, ASPICE/ISO 26262 |
| <b>Analytics &amp; Process Optimization</b> | Data-driven decisions, KPI tracking, delivery improvement, forecasting, Python/Tableau visualization                   | <b>Cross-Functional Leadership</b>       | Engineering–product–ops coordination, APAC/EU collaboration, vendor/partner management   |
| <b>Automotive &amp; Mobility Expertise</b>  | Vehicle electronics, sensor fusion awareness, EV safety systems, mobility program delivery                             | <b>Tools &amp; Platforms</b>             | JIRA, Confluence, MS Project, Tableau, Notion, Simulink / dSPACE, Git  |

## WORK EXPERIENCE

### Technical Project Manager

JIOS Aerogel (Electric Vehicle Battery Startup)

08/2024 - 04/2025

Singapore

#### Highlights

- Cross-Functional Program Delivery:** Led end-to-end EV battery safety projects integrating R&D, validation, and supplier coordination across the US, Singapore, Korea, and China, ensuring on-time delivery of thermal protection solutions for OEMs.
- System Validation and Process Optimization:** Standardized compression, seal-strength, and flow-rate validation, and introduced **dashboard-based** tracking that improved test efficiency and cross-team visibility.
- Data-Driven Problem Solving:** Partnered with researchers to analyze performance trends and identify root causes of variability, supporting data-informed design decisions and more consistent results.

### Founding Member

The Ice Bath Club (Wellness Startup)

01/2024 - 07/2024

Singapore

#### Highlights

- Operations and Vendor Management:** Streamlined daily operations by managing vendor partnerships, logistics, and chiller system maintenance, ensuring consistent reliability and smooth member experiences.
- Customer and Experience Design:** Improved engagement and partnership strategies by incorporating customer feedback and data insights to enhance retention and satisfaction.
- Analytics and Performance Tracking:** Built Excel and Tableau dashboards to monitor footfall, revenue, and churn metrics, turning insights into actionable decisions for pricing and service optimization.

# WORK EXPERIENCE

## Professional Development

Georgia Institute of Technology

06/2023 - 12/2023

United States, Singapore

### Highlights

- **Master's in Analytics:** Accelerated program at Georgia Tech, specializing in advanced analytics and data-driven decision-making.

## Technical Project Manager

Continental Automotive

01/2022 - 05/2023

Singapore

### Highlights

- **Program and Concept Development:** Directed concept design/testing for sensor fusion and trajectory control, improving prototype performance 15% by integrating market-available components and fusion updates.
- **Cross-Functional Delivery:** Managed technical coordination between R&D, testing, and customer-facing teams across Singapore and France, ensuring milestone completion and resolving hardware-software integration issues.
- **Prototype Validation and Risk Control:** Oversaw validation of driver access product prototypes, streamlining risk assessment and readiness reviews for OEM evaluation and demonstration.

## System Requirements Engineer

Continental Automotive

08/2020 - 12/2021

Singapore

### Highlights

- **Requirements Definition and Traceability:** Managed over 300 system and software requirements for gateway and communication modules, maintaining full traceability and version control using Jira queries and dashboards, reducing open requirement churn by 15%.
- **Cross-Functional Alignment:** Collaborated with engineering, QA, and validation teams across regions to ensure integration readiness, compliance, and alignment with program milestones.
- **OEM and Internal Coordination:** Facilitated requirement reviews with OEM customers and internal teams, improving issue resolution speed and stakeholder visibility.

## System Test Manager/Engineer

Continental Automotive

01/2011 - 07/2020

South Korea, Singapore

### Highlights

- **HIL Validation Leadership:** Managed a shared Hardware-in-the-Loop (HIL) platform supporting 9 concurrent ECU projects, optimizing utilization and ensuring comprehensive test coverage.
- **Vehicle Integration & System Validation:** Led vehicle level testing for powertrain control systems, validating ECU interactions under real world conditions and improving overall reliability.
- **Automation and Quality Assurance:** Enhanced regression testing throughput with automated test routines and maintained compliance with ASPIKE and ISO 26262 standards for OEM readiness.

# LANGUAGES

## Korean

*Native or Bilingual Proficiency*

## English

*Full Professional Proficiency*

## Japanese

*Limited Working Proficiency*

## Mandarin

*Limited Working Proficiency*

# EDUCATION

## M.Sc in Analytics

Georgia Institute of Technology

01/2022 - 05/2025

*Georgia, United States*

## B.Sc in Mechanical Engineering

SungKyunKwan University (성균관 대학교)

03/2002 - 02/2011

*Suwon, South Korea*