

CHANGWOO "ERIC" KIM

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SUMMARY

Senior program manager with 10+ years running hardware, consumer product, and manufacturing programs from concept through launch at Hyundai, LG, and Samsung. Governed a 22-program portfolio on an \$8M annual budget, cut program review lead time from 10 weeks to 4 by rebuilding Jira intake governance for 80+ stakeholders, and raised budget utilization from 40% to 85%. Engineer by training who brings technical understanding, business judgment, and data analysis to every program.

CORE COMPETENCIES

Program Governance: Stage-Gate and Phase-Gate Review, Intake Governance, Milestone Tracking, Scope Control, Risk Register and Mitigation Matrix, Cross-Program Dependency Mapping

Schedule & Delivery: Integrated Master Schedule, Critical Path Method, Buffer Management, Baseline Control, Vendor Delivery Management, Acceptance Criteria Definition

Budget & Reporting: CapEx and OpEx Tracking, Budget Variance Analysis, Resource Allocation, Executive Dashboard, Weekly Status Reporting, Portfolio Prioritization Analysis

Tools & Methods: Jira, Confluence, MS Project, Power BI, Tableau, Excel Power Query

PROFESSIONAL EXPERIENCE

Hyundai Motor Company, Mountain View, CA

Jan 2020 - Mar 2024

Senior Program Manager, Advanced Technology Portfolio

- **22 concurrent programs, \$8M annual portfolio:** Directed program operations across AI, robotics, mobility, and smart factory initiatives, instituting a standardized stage-gate intake framework that scaled the portfolio from 8 to 22 active programs, and raised budget utilization from 40% to 85% by surfacing under-consumed programs at mid-cycle and preparing the reallocation cases leadership approved.
- **60% cycle-time reduction (10 weeks to 4):** Architected the Jira governance system tracking scope, budget, timeline, owning team, and communication status for every active program, then rebuilt the approval workflow across 80+ stakeholders by mapping each dependency and setting routing rules that replaced the manual status reporting stalling reviews.
- **Build Dashboard for executive review:** Engineered an automated Power BI dashboard integrating Jira status-transition data with budget workbooks through Excel Power Query, surfacing stage-level bottlenecks, critical-path slippage, and burn-rate variance across 22 programs in one view.
- **12-week PoC across 4 organizations:** Synchronized program delivery between Hyundai's Silicon Valley innovation center, an AI vendor, a sensor supplier, and the Alabama manufacturing plant, sequencing data-collection windows around active production schedules so validation stayed on the critical path without halting the line, closing at over 95% model accuracy.
- **\$700K robotics pilot across 3 entities:** Drove autonomous mobile robot and bin-picking validation across three engineering organizations - Hyundai's R&D center, its rail and defense manufacturing arm, and its logistics subsidiary - holding each to agreed deliverable dates and acceptance criteria despite competing priorities.
- **3 programs carried from kickoff to production deployment:** Ran the full delivery cycle for three external technology programs through validation, integration, and operational handover: a camping module that later shipped as an official Kia product, a 6-charger New York City installation with municipal partners, and a charging system adopted into Hyundai infrastructure.

Hyundai Motor Company, Seoul, South Korea

Aug 2015 - Jan 2020

Program Manager, Technology Strategy

- **\$2.44M across two concurrent consulting engagements:** Governed McKinsey and AT Kearney programs in parallel with synchronized milestones, shared deliverable dependencies, and joint workshops, producing a six-level taxonomy of 1,258 technologies and a Build/Buy/Partner decision framework.
- **40+ executive review cycles:** Established the review cadence and decision protocol that set enterprise technology strategy, preparing pre-read packets with priority and ROI analysis, capturing decisions into tracked action items, and escalating blocked items to the sponsoring executive.
- **Operating model adopted across 5 affiliates:** Codified a three-stage program methodology deployed across the group's R&D, product planning, manufacturing, and IT organizations, defining the gate criteria and review artifacts each stage required.
- **Multi-site manufacturing program across 3 locations:** Structured the deployment plan spanning Singapore, Alabama, and Georgia facilities, aligning Hyundai's strategy, R&D, and external affairs organizations into a single proposal and negotiating the supporting agreement directly with Singapore's Ministry of Trade and Industry.

LG Electronics, Seoul, South Korea

Jun 2012 - Aug 2015

Program Manager, Smart TV Platform

- **Cross-functional NPI for the webOS Smart TV line:** Orchestrated hardware, software platform, design, sales, marketing, and QA teams through launch readiness for two flagship Smart TV lines, running design review and validation checkpoints against a fixed CES unveil date and managing demo build dependencies.
- **\$400M in launch-year sales, 17% YoY growth:** Drove the go-to-market schedule for the Smart TV line, working from 100+ customer and partner interviews and joining the retail channel negotiations directly.

PATENTS

18 patents in robot motion control, navigation algorithms, multibody dynamics optimization, and automatic dustbin emptying (Samsung Electronics, robotic vacuum platform)

EDUCATION

University of Michigan, Ann Arbor - M.S. Applied Data Science, GPA 3.89

Sep 2026

Seoul National University - Master of Business Administration

State University of New York at Buffalo - M.S. Mechanical Engineering

Hanyang University, Seoul - B.S. Mechanical and Computer Engineering