

Changwoo Kim

Senior Program Manager, Advanced Technology Portfolio

Irvine, CA, United States | [LinkedIn](#) | [changwoo-pm.github.io](#)
Senior program manager who takes emerging technologies from pilot validation to commercial deployment. Spent 8+ years at Hyundai Motor Company running a 22-program, \$10M+ portfolio and carrying three external technologies to deployment, including one now sold by Kia.

EXPERIENCE

Operations & Commercialization Lead Stealth Startup Supporting an early-stage startup on operations and technology commercialization.	Jun 2024 — Present
Senior Program Manager, Advanced Technology Portfolio Hyundai Motor Company Ran a 22-program, \$10M+ portfolio covering AI, robotics, mobility, and EV charging, reprioritizing mid-cycle and lifting budget utilization from 40% to 85%. Designed the Jira intake-to-launch system and Power BI reporting, redesigned approval routing, and cut approval lead time from 10 weeks to 4. Took three external technologies from pilot to deployment, including a camping module now sold as an official Kia product.	Aug 2015 — Mar 2024 <i>Mountain View, California, United States</i>
Program Manager, Technology Strategy Hyundai Motor Company Led 12-week McKinsey and AT Kearney engagements that scanned 1,258 emerging technologies across 7 domains and set the group's focus areas. Established an emerging-technology organization with a 4-stage, 3-gate process, approved by the chairman and adopted across five affiliates. Set up the decision cadence for enterprise technology reviews, tracking each decision to a closed action item.	Aug 2015 — Jan 2020 <i>Seoul, South Korea</i>
Product Manager, webOS Smart TV LG Electronics Led cross-functional launch programs for LG's webOS Smart TV platform. ► Cross-functional launch readiness: Orchestrated hardware, software platform, design, sales, marketing, and QA teams for the webOS UHD8000 and LB6000 series through CES unveil, demo builds, and executive briefings. ► 40+ bi-weekly CEO briefs: Delivered competitive positioning analysis against Apple, Google, and Samsung to LG's CEO (2013–2015), grounded in 100+ customer and partner interviews, supporting a go-to-market strategy that drove 17% YoY growth and \$400M in launch-year sales.	Aug 2012 — Sep 2015 <i>Seoul, South Korea</i>
Robot Engineering Researcher Samsung Electronics Led Samsung's first robotic vacuum platform from R&D to global launch. ► Coordinated R&D, manufacturing, QC, and suppliers through the first-generation launch of Samsung's robotic vacuum platform, reducing the development cycle 20% through CAE-based dynamics optimization. ► 18 patents in robot motion control, navigation, and multibody dynamics optimization (Google Scholar).	Jun 2008 — Aug 2011 <i>Suwon</i>

EDUCATION

University of Michigan - School of Information <i>Master of Science - MS in Applied Data Science</i> GPA 3.86	Aug 2024 — Sep 2026
Seoul National University <i>Master of Business Administration (MBA) in Business Administration, Management and Operations</i>	
University at Buffalo <i>Master of Science - MS in Mechanical Engineering (Robotics)</i>	
Hanyang University <i>Bachelor of Science in Mechanical and Computer Engineering</i>	

CERTIFICATIONS

Supervised Machine Learning: Regression and Classification , DeepLearning.AI, Stanford University	Apr 2025
Intermediate PostgreSQL , University of Michigan	Aug 2024
Model Thinking , Coursera Course Certificates	Jun 2017

SKILLS

Programme Office · Managing Large Scale Projects · Go-to-Market Strategy · Operations Management · Microsoft Power BI · Program Delivery Management · Technical Program Leadership · Cross-functional Leadership · System Integration & Validation · Technical Program Coordination · Process Optimization & Cycle Time Reduction · Product Lifecycle Management · Stakeholder Alignment & Delivery · Cross-functional Program Execution · Technical Project Leadership · Global Cross-Functional Team Leadership · Senior Stakeholder Management · Product Management · MVP Development · Strategic Project Management · Complex Project Management · Product Identification · Product Analysis · Technical Program Management · Business Process Improvement · New Business Development · Business Intelligence (BI) · Collaborative Problem Solving · Leadership · Business Development · Cross-functional Team Leadership · Business Strategy · Project Management · Strategic Planning · Business Analysis · Consumer Electronics · Market Research · Product Development · Product Launch · Portfolio and Program Planning · Stage-Gate Governance · Requirements Management · Risk and Dependency Management · Budget Forecasting and Variance Reporting · KPI and Metrics Reporting · Change Management · Cross-Functional Stakeholder Alignment · Vendor and Partner Management · Contract and SOW Management · Executive Reporting · Technology Validation and Qualification · Pilot and Proof-of-Concept (POC) Design · Pilot-to-Production Deployment · Hardware-Software Integration · Manufacturing AI · Robotics and Autonomous Mobile Robots · Digital Twin · Agile · Scrum · Waterfall · Six Sigma Black Belt · Jira · Confluence · Smartsheet · Microsoft Project · Planview · Tableau · Looker · Asana · Monday · SQL · Excel · Power Query · Python (pandas) · Generative AI Tools (Claude Code, Codex, Gemini)