Sungbum Park
San Francisco, CA

626.375.1835 | spark63design@gmail.com
sungbumpark.com (Password: Abracadabra)
linkedin.com/in/sungbumpark

Experience

Armstrong Robotics - Industrial Designer
Mar 2021 - May 2026, San Francisco

- Led industrial design for robotic hardware from early concept exploration and physical prototyping through SolidWorks CAD, engineering development, and real-world deployment.
- Explored multiple home robotics concepts and contributed to patented design development.
- Led the design of ArmstrongUMI, a handheld data-capture device for robot learning, through multiple functional hardware iterations with a focus on hardware integration and ergonomics.
- Designed three robotic systems deployed in commercial food-service environments.
- Collaborated with co-founders, engineers, and vendors to align design intent with system development.
- Applied CMF and DFMA principles to improve design cleanability and manufacturability.

Whipsaw - Industrial Design Intern
Mar 2020 - Feb 2021, San Francisco Bay Area

- Worked on 20+ product development projects across consumer technology and robotics in a fast-paced design consultancy environment.
- Contributed to concept development, design refinement, prototyping, and client-facing presentations across multiple programs.
- Contributed to award-winning and featured projects, including KODA, a quadruped robot.

Education

ArtCenter College of Design - B.S. in Product Design
Apr 2019, Pasadena

- Focused on consumer product design using a human-centered design approach

Korea University - B.S. in Mechanical Engineering (ABEEK)
Feb 2015, Seoul, South Korea

- Studied engineering fundamentals in physics, mathematics, and materials science
- Recipient of Full Tuition Scholarships from the Korean Student Aid Foundation (2009–2013)

Awards

KODA iF Design Award, Red Dot Award, DFA Awards Bronze, IDEA Finalist, IDA Awards Gold (2021)

Deco Voice X20 iF Design Award, CES Innovation Award, Red Dot Award, IDA Awards Silver (2021)

Patents

System and Method for a Commercial Dishwashing Robot (Patent Pending)

System and Method for a Collapsible Self-Storing Robot (WO2023205235A1, 2023)

Skills

Industrial Design: Concept Development, Form Exploration, Human-Centered Design, Ergonomics, AI-Assisted Ideation & Visualization, CMF

Design Engineering: Mechanical Design, Robotics Hardware, System Integration, Kinematics, DFMA

CAD, Visualization & AI: SolidWorks, Rhinoceros, KeyShot, Vizcom, ComfyUI, Nano Banana, Grok Imagine, Figma, Adobe Creative Suite

Prototyping & Fabrication: 3D Printing, Rapid Prototyping, CNC Machining, Milling, Lathe, Laser Cutting

Languages Korean, English