

Sungwoo Kim

(+82)-10-3886-6084 | hirekim2@gmail.com

Work : <https://sungwoo.kim> | Code : <https://github.com/firekim2>

Linkedin : <https://www.linkedin.com/in/sungwoo-kim-08962b117/>

Language : Fluent Korean and English

SUMMARY

Sungwoo Kim is creative-minded technologist/developer with powerful originality and drives to solve complex problems. He has balanced capabilities of broad technological skills, unique creativity, and effective communication. He focuses on building experiences on the physical/digital world via creating installation, interactive content, and product. In particular, he emphasis on rapid prototyping in both hardware and software to enrich creative imagination.

WORK EXPERIENCE

Creative Technologist/Developer, Innocean Worldwide HQ

Seoul, South Korea — Nov 2016 - Present

- Hands-on prototyping VR control platform for multiple users
- Experimenting with novel interfaces using web technology
- Researching and ideating on cutting edge technology such as Machine Learning, VR, and AR.
- Hands-on developing hardware and software products for projects
- Managing communication for technical issues with vendors

Account Executive, Innocean Worldwide HQ

Seoul, South Korea — Jan 2016 - Nov 2016

- Planning and managing experiential marketing projects of global clients including international motor show, CES and launching event
 - Supervised Hyundai Motor Company's spatial design of the experiential project
-

EDUCATION

Electrical and Computer Engineering and Media Arts(Double Major), Seoul National University

Seoul, South Korea — Mar 2009 - Feb 2016

During this time period, I produced many kinds of interactive products and projects that tapped both my analytical and creative skill sets. I got my point of view which is that of an engineer and an artist.

- 2 years absence to fulfill military duty (May 2010 - Feb 2012)
 - National Science and Engineering Scholarship recipient (Merit 4 years scholarships with aids of full tuition and fees)
 - Graduated with honors
-

SKILLS

Creative Technology

- Turning conceptual idea into working prototype or product.
- Experience in rapid prototyping and understanding of agile development methodologies.
- Experience in conceiving/designing complex systems and platforms.
- Hardware prototyping using technologies such as Arduino and Raspberry Pi.
- Developing hardware/software solutions of VR, AR, Kinect or machine vision technologies.
- Knowledge of electronics, embedded programming, and PCB design.

Programming

- Hands-on coder with advanced abilities in C, Python, OpenFrameworks, Unity 3D, Javascript, and MAX/MSP.
- Able to program the VR/AR platform with Unity 3D.
- Strong knowledge of full-stack web developing and protocols.
- Experience in the production process and technical development for complex projects.

Interaction Design

- Experience in scripting, conducting and evaluating usability user tests.
- Knowledge of user behavior and usability standards.
- Skilled video editor with design sensibility.

TOOLS

Software Development

- **Frontend** HTML5, CSS3, Javascript (jQuery, WebGL, Paper.js, Three.js, p5.js)
- **Backend** AWS, Docker, Django, Node Express, PostgreSQL, SQLite, MySQL
- **Creative Coding** Openframeworks, Unity 3D, Processing, Max MSP
- **Machine Learning** Understanding concepts/algorithms of Machine Learning and can make prototypes on Tensorflow, Darknet.

Hardware Development

- **Prototyping** Arduino, Raspberry pi, Rapid prototyping
- **Electronics** Electronics, PCB design
- **Embedded Programming** Embedded C
- **Modeling** Sketch-up, AutoCad, 3D printing

Design Tools

- **Design** Adobe Photoshop, Adobe Illustrator, Adobe InDesign
 - **Video/Editing** Final Cut Pro, Adobe AfterEffect
-

AWARDS

The Quiet Taxi - client : Hyundai Motors Group

- **Cannes Lions** Silver at Design (2019)
- **One Show** Bronze in the innovation in design (2019)
- **New York Festivals** 4 Bronzes in the PR, innovation, and film (2019)

Healing Jungle - client : Hyundai Motors Group

- **One Show** 4 Merits in the interactive installation, design, and experience (2019)
- **New York Festivals** Bronze in the Craft in Advertising: Digital (2019)

Chatty School Bus - client : Hyundai Motors Group

- **Cannes Lions** Bronze at PR and Shortlists at UX, UI & Journey design, Digital installation and use of technology (2018)
- **AD Stars** Silver at Use of digital in a media campaign (2018)
- **One Show** Design / Interactive Merit (2018)
- **LIA** Gold at Design and Shortlists at Digital (2018)

Cyberbullying Vaccine App - client : Korea Association of School Violence Victims

- **CLIO** Bronze at Innovation Medium (2017)

OTHER EXPERIENCE

Exhibition Technician

- 2019. **Noise Cancelling**, Project Space Sarubia, Seoul
- 2018. **<Reversible Reaction>**, SeMA Bunker, Seoul
- 2017. **The Pathetic Rhymes**, Instant roof, Seoul

Research Program

- 2019. Participate in **CODE Art/Science Research Program** 2019, Digital Art Research

Project

- 2019. **Internet Photography Series**, Web
 - 2017. **Stupid Things**, Photography Zine
-