

# Minjoo Cho

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## OBJECTIVE

I am a polymathic software designer with a solid technical background who designs and prototypes experiences that make us better “humans”.

I have around ten years of experience working within multidisciplinary design teams and have successfully turned breakthrough ideas into a broad range of tangible technical prototypes.

I want to contribute my expertise and proficiency in handling large-scale data in technically focused projects.

## SKILLS

### Full-stack IoT Development

- **Frontend:** Web(React, NextJS, Javascript/Typescript, Flutter), Mobile (Android)
- **Backend:** Python-Flask, FastAPI
- **Database:** DynamoDB, MongoDB, SQLAlchemy
- **Cloud Services:** AWS (AWS Developer Associated certified), Google Cloud Platform
- **Hardware Prototyping:** Arduino, Micropython, Raspberry Pi
- **Protocols:** Messaging(web socket, MQTT), Hardware(I2C, Serial, SPI)
- **DevOps:** Git, Docker, Podman

### Emerging Technology

- **ML libraries:** Google (mediapipe, Polyphonic RNN etc.),
- **AR/VR:** Native (AR Core, Unity), Web (Playcanvas)
- **Computer Vision Libraries:** OpenCV, Pygame

### Design Tools

- **UX/UI :** Figma, Protopie
- **3D** (Rhinoceros, Solidworks, Fusion260, Keyshot)
- **2D:** Adobe Series (Illustrator, InDesign, Premier Pro)

## LANGUAGES

- English (Fluent, C2)
- Korean (Native)
- Japanese (Fluent, C2)
- Chinese (Intermediate, C1)
- German (Basics, B1)

## EMPLOYMENT HISTORY

### Senior Software Designer, D-Ford London

London, United Kingdom

June, 2021 - Present

D-Ford is an R&D lab focused on developing services, products, and visions for the future of mobility based on the human-centered design (HCD) method.

- Led and executed the development of reusable/modular prototyping platform for Ford prototyping engineers to quickly develop and deploy experiences: cli-based toolkit that orchastrates containerized infrastructures with project back with git integration.
- Early-stage IoT prototyping for the initial concept validation through controlled user testing, on-site user research support

### Creative Technologist, Indeed Innovation

Hamburg, Germany

May, 2017 - Apr, 2021

#### Fast PoC Technical Prototyping for IoT products

- Liaison with developers and designers throughout the project's conceptual stage and helped implement proof-of-concept prototypes to validate the generated ideas.
  - Client-facing role: project pitch, design workshop, development progress report
- #### Interactive Installation development/demonstration
- Full implementation of interactive installation from concept development to delivery

### Creative Strategist, Samsung Creative Lab

Suwon, South Korea

Jun 2013 — Oct 2014

Samsung Creative Lab is a Samsung's incubation program for Samsung employees to incubate creative ideas into actual projects. My role in the team included the following:

- Project Proposal: Proposed the winning idea to gain entry into C-Lab
- Product Strategy and development: product features definition, fast prototyping (Android SW), in charge of user research with the hearing-impaired community
- Regular progress reports to the C-level representatives

### Product Manager, Samsung Electronics HQ

Suwon, South Korea

Jan 2011 — Dec 2014

- Responsible for Samsung Galaxy Tablet Series and Google Nexus 10
- Product Life Cycle Management: solving procedural issues during the entire product life cycle from the development stage to the end of production
- Regular VP/C-level issue reports on the project status

## EDUCATION

### M.S in Industrial Design, KAIST

Daejeon, South Korea

Mar 2015 — Feb 2017

- Mater's thesis: Calm Automaton, A DIY Toolkit for Ambient Displays
- A previous research member of [myDesignLAB](#) (Prof. Daniel Saakes)
- Full year scholarship : National Science and Technology Scholarship

### B.S in Electrical Engineering, KAIST

Daejeon, South Korea

Mar 2006 — Feb 2011

- Major in Electrical Engineering and minor in Business Economics
- Full year scholarship: National Science and Technology Scholarship