

SE HEON CHOI

PROFILE

Software Architect & Technical Artist

EXPERIENCE

Advanced Robotics Lab, LG Electronics, Korea

Software Architect & Technical Artist developing cloud robotics and AI-based human-robot interaction framework as full-stack developer, 2005 - present

Visiting Scientist, MIT Media Lab; Cambridge, USA

Visiting Scientist, 2013

EDUCATION

Johns Hopkins University, Baltimore, USA

Master of Science in Engineering in Computer Science, August 2005

Sungkyunkwan University, Seoul, Korea

Bachelor of Science in Electrical and Computer Engineering, February 2004

Carnegie Mellon University, USA

LGE Software Architect Course, July 2022

SKILLS

Javascript, Python, Java, Android, C++, React, Node.js, ROS, Unity/C#,
Composition/Sound Design, 3D, Fluent in English

OTHERS

- International Patents
 - US 9020460, Smart alarm providing terminal and alarm providing method thereof
 - US 14/384068, Unlock method using natural language processing and terminal for performing same
 - US 13/340277 Mobile terminal and method of grouping applications thereof
 - US 12/965644, Electronic device and method for providing information using the same
- Domestic Patents
 - KR20140061124, User Authorization method using smart band KR20130012969, Service system, digital device and method of processing a service thereof
 - KR20120068057, Operation method of mobile terminal
 - KR20120024654, Mobile device and control method for the same
 - KR1172663B1, Mobile terminal and method for grouping application thereof
 - KR20090130905, Mobile terminal and data management method for mobile terminal
- Publications
 - Seung-Won Lee, Se Heon Choi, Minkyung Cho, Jungsu Lee, "Situation-based Energy Management System", Mobility 2011, October 2011
 - Master's Research Project, advised by Dr. Andreas Terzis, Johns Hopkins University, "Implementation of Sensor Networks MAC Protocols on Yanets Simulator," August 2005 * B.S. Thesis, advised by Dr. Tai M. Chung, Sungkyunkwan University, "Distributed Home Networking Algorithm Using Bluetooth Scatternet Backbone," November 2003
 - Jinho Sohn, Yuseung Jeong, Se Heon Choi and Tai M. Chung, "Algorithm Design for Distributed Home Networking Based on Bluetooth Scatternet Backbone," Korean Institute of Communication Sciences, July 2003
- Awards
 - Scholarships from Sungkyunkwan University, Fall 2003
 - Scholarships from Sungkyunkwan University, Spring 2003
 - Scholarships from Sungkyunkwan University, Fall 2002
- Activities
 - English Language Training Course; San Diego, USA - April 2001 to January 2002
 - Military Service of Republic of Korea Army; Seoul, Korea - Jan 1999 to March 2001