



Jaewan Jeong

Mobile	010 9125 9246	Facebook	fb.com/jwmsg
E-mail	jaewan@jwmsg.me	Instagram	@jwmsg_hacker
Gitlab	git.jwmsg.me	Linked In	jwmsg
GitHub	github.com/jwmsg0525	Blog	blog.jwmsg.me

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Education

2016.03 – 2019.02	Bangeojin HighSchool [Ulsan Korea] Science Emphasis Course	
2019.03 – 2024.09	Kwangwoon University [Seoul Korea] College of Software Convergence Division of Information Convergence - Data Science Major Information Security Interdisciplinary Major	GPA (3.16 / 4.50)

Employment

5 Years

2018.07 – now	JWMSG – Operator [Sole Proprietor] Software outsourcing development and maintenance
2019.12 – 2021.04	NetsyxSolution – Freelancer Software development and Offensive hacking
2020.04 – 2020.08	FETCHING Corp. – Freelancer Crawling and data preprocessing
2020.09 – 2021.04	DEVICENET Corp. – Freelancer IoT monitoring web service development
2021.05 – now	DEVICENET Corp. – Senior Engineer IoT infrastructure and firmware development with information security

Experience

2017.07 – 2018.03	Korea Information Technology Research Institute(KITRI) Next-generation security leader training course (Best of The Best) Digital Forensic Track (6th) Top 30
2017.11, 2018.11, 2019.11	POC Security Conference STAFF
2018.04 – 2019.12	Korean Youth Information Science Society (KYSIS) Secretary General (Concurrent position as Planning Department Head)
2018.06 – 2018.11	Ministry of Patriots and Veterans Affairs (MPVA) Ulsan Branch Mentor for the development of GIS app for hospitals commissioned by MPVA
2018.11, 2019.11	IT Chosun, Microsoft Conference STAFF
2019.03	Codegate 2019 International Hacking Defense Contest & Global Security Conference STAFF

Projects (Out of Education)

2020.09 – 2022.04	DEVICENET Corp. [Darye Corp.] IoT scent generator control and atmospheric condition monitoring system
2020.11 – 2021-02	DEVICENET Corp. [Hyundai Samho Heavy Industries] Temperature & Humidity integrated monitoring system in LNGC tank
2021.12 – 2022.05	JWMSG [Informatica & ISK] Technical support system For partner engineers
2021.03 – 2021.08	DEVICENET Corp. [Hyundai Heavy Industries] Temperature & Humidity integrated monitoring and automatic air conditioning system in LNGC tank
2021.05 – 2021.12	SHINSUNG MINERAL Corp. Multi-item (PH, ORP, DO, MLSS) measurement system
2021.08 – 2021.12	DEVICENET Corp. [Hyundai Heavy Industries] Temperature & Humidity integrated monitoring and automatic air conditioning system in DF tank
2022.06 – 2023.01	DEVICENET Corp. [Hyundai Heavy Industries] Temperature and Humidity history management system for Engine Products
2023.01 – 2023.06	DEVICENET Corp. [Hyundai Samho Heavy Industries] Movable Facility GIS Service
2023.05 – 2023.09	DEVICENET Corp. [Hyundai Samho Heavy Industries] Mobility sharing platform service (Forklift call service, Shared vehicle rental service)
2023.04 – now	Government-supported research project AI-based remote support service and demonstration for maintenance repair operation of Regenerative Thermal Oxidation(RTO) [No. 20020721]

Projects (In Education)

2020.03 – 2020.04	[Data Science Introduction] Optimal route service considering real-time subway congestion
2020.09 – 2020.10	[Data visualization] A statistical study on the positive and negative positivity of the next (2022) presidential candidate using Twitter data
2021.01 – 2021.01	[Interactive Media Introduction] Treasure hunting game using mobile GPS (Hide and find each other)
2021.05 – 2021.05	[Interactive Media Introduction] Voice recognition-based drunkenness measurement. (Na-An-Chi-Hae-SSeo)
2023.03 – now	[Capstone design] A study on human motion detection sensor using Doppler shift of Wi-Fi CSI

Awards

2018.09	Korea Information Olympiad Contest - Silver Award Blockchain-based version control solution Gic (Git in chain)
2020.07	HM COMPANY, HM CTF 2020 (Digital Forensic CTF) – 2nd place

Scholarship

2019.03, 2019.09	Scholarship for Excellent Admission Grades A half price for semester
2019.03, 2019.09, 2020.03, 2020.09, 2021.03, 2022.09, 2023.03, 2023.09	Scholarship for Hyundai Mipo Dockyard employees' children Full scholarship for a total of 8 semesters
2020.09	Scholarship for Excellent SW ability 1,000,000 Won

Conference & Presentation

2017.11	Korea Institute of Information Security & Cryptology (KIISC) 2017 Winter Conference “Development of visitor tracking tool using IEEE 802.11 Frame”
2018.06	Korea Institute of Information Security & Cryptology (KIISC) 2018 Summer Conference “Implementation of digital evidence hash and metadata management solution using blockchain”
2019.01	Security One Conference (in Busan Korea) “Forensic Analysis of FAT Filesystem”
2021.05	Korea Information Processing Society 2020 Spring Conference “A Study on the Risk of Personal Information-related Damage through the Exposure of Personal Information Documents and the Combination of pseudonym Information”

Teaching

2019.04 – 2019.08	Korea University Department of Electrical and Electronic Engineering Software Society [One and Zero] “Development Web Sites with Node JS”
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Skills & Knowledge

Programming languages	C / C++ / JAVA / Python / Swift / Javascript(include Nodejs) Typescript / R / Go / Kotlin
Web / Markup languages	XML / HTML
Database language	SQL / flux
Data Pipeline / Message Queue	UDP&TCP Socket / Web Socket / Web RTC / Socket.io Kafka / RabbitMQ
Database Management	MYSQL / MSSQL / PostgreSQL / MariaDB / InfluxDB
Web Frontend	Vue JS / React JS
Web Backend	NodeJS & Express.js / Tomcat JSP / Flask
Filesystem	FAT(FAT12 FAT32 exFAT) / NTFS
Wireless Network	LoRa / BLE / WiFi / LTE
VOIP	Asterisk / FreePbx / FXO&PSTN Gateway
GIS	Geo Server / Openlayer
IT Security	Digital Forensics / Web Hacking / OSINT
IT infrastructure	Topology (Routing, Switching, Etc.) On-premises / Cloud computing (AWS, GCP)
(HW)Firmware Framework	FreeRTOS / ESP-IDF / Arduino / STMicroelectronics
(HW) Schematic & PCB Artwork	KiCAD

Certificate & Licence

N/A