



# KONG VUNGSOVANREACH

## RESEARCHER & SENIOR SOFTWARE ENGINEER

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📍 충청북도 청주시 흥덕구 성봉로 267-1(복대동) 3층 306호

🌐 Cambodian (캄보디아)

## Profile

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A highly motivated, passionate, and fast-learning engineer who has 4+ years of work experience with software development and 2+ years of experience with machine learning, deep learning, and computer vision topics. A Python enthusiast with good programming skills and extensive experience with data science libraries and tools.

**Research Interest:** Big Data, Artificial Intelligence, Machine Learning, and Computer Vision.

## Employment

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### Research Assistant (2022.03 - Present)

- Place: Chungbuk National University, South Korea
- Research Area: Big Data, Artificial Intelligence, Machine Learning, and Computer Vision

### Research Assistant (2020.03 - 2022.02)

- Place: Chungbuk National University, South Korea
- Research Area: Big Data, Blockchain, and Statistics for Data Science

### IT Instructor (2019.03 - 2020.02)

- Place: Korea Software HRD Center, Cambodia
- Subject: Java Programming, Spring Framework, and Laravel Framework

## Education

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### PhD Candidate (2022.03 - Present)

- Major: Big Data
- Place: Chungbuk National University, South Korea

### Master's Degree (2020.03 - 2022.02)

- Major: Big Data
- Place: Chungbuk National University, South Korea
- Dissertation: [Design and Implementation of a Workflow and Orchestration Tool for Building Machine Learning Model](#)

## Bachelor's Degree (2014.11 - 2019.12)

- Major: Computer Science
- Place: The University of Cambodia, Cambodia

## Training

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### Basic Course of IT Professional Training (2018.04 - 2018.08)

- Key Skills: Java, Web Development, Spring Framework, Database
- Place: Korea Software HRD Center, Cambodia

### Advanced Course of IT Professional Training (2018.10 - 2019.02)

- Key Skills: iOS Development, Project Management
- Place: Korea Software HRD Center, Cambodia

## Technical Skills

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**Programming Language** Python (+++), Java (++) , JS (++) , GoLang (++) , R (++) , PHP (++) , Scala (+)

**Data Science Framework** Pandas, Numpy, Pillow, OpenCV, Tensorflow, PyTorch, Keras, Matplotlib

**Other Framework** Flask, NodeJS, Springboot, Laravel

**IDE & Tool** Jupyter, VSCode, IntelliJ, Eclipse, XCode, Android Studio, Git, Docker

**Database** MySQL, MongoDB, SQL Server, PostgreSQL

**OS** Ubuntu, Windows, MacOS

## Publications

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[J\*]: Journal Publication, [C\*]: Conference Publication

**[C1]** Kong, V., Choi, E. S., Shon, H. S., Cha, E. J., Kim, K. A., & Cho, W. S. (2021). Comparison of Classification Techniques based on Feature Extraction and Imbalanced Data Processing. 대한전기학회 학술대회 논문집, 1886-1887.

**[C2]** 최은선, Kong Vungsovanreach, 손호선, 차은종, 조완섭, & 김경아. (2021). 로지스틱회귀를 이용한 치주질환 유병 관련 요인 분석. 대한전기학회 학술대회 논문집, 399-400.

**[J1]** Ren, S., Kim, J. S., Cho, W. S., Soeng, S., Kong, V., & Lee, K. H. (2021, April). Big Data Platform for Intelligence Industrial IoT Sensor Monitoring System Based on Edge Computing and AI. In 2021 International Conference on Artificial Intelligence in Information and Communication (ICAICC) (pp. 480-482). IEEE.

**[J2]** 최은선(Eun-Seon Choi),Kong Vungsovanreach,조완섭(Wan-Sup Cho),김재성(Jae-Sung Kim),이경희(Kyung Hee Lee),손호선(Ho Sun Shon),and 최성곤(Seong Gon Choi). "스마트팩토리

데이터를 활용한 클래스 불균형문제 해결 방법 비교." 한국통신학회 학술대회논문집 2021.6 (2021): 86-87.

[J3] Aing Teckchun, Kong Vungsovanreach,김옥기,이경희, and 조완섭. "블록체인 자동화도구 개발과 전자투표 적용사례." 한국빅데이터학회 학회지 6.2 (2021): 151-159.

## Languages

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<b>KHMER</b>	Mother Tongue	<b>KOREAN</b>	Fair
<b>ENGLISH</b>	Good		