



KONG VUNGSOVANREACH

RESEARCHER & SENIOR SOFTWARE ENGINEER

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📍 Cheongju-si, Chungcheongbuk-do, South Korea

Profile

A highly motivated, passionate, and fast-learning engineer who has 5+ years of work experience with software development and 3+ 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: Software Development, Big Data, Artificial Intelligence, Machine Learning, and Computer Vision.

Employment

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

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

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

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

[J*]: Journal Publication, [C*]: Conference Publication, [D*]: Graduate Dissertatio

[J3] Kong, V., Somakhamixay, O., Cho, W. S., Kang, G., Won, H., Rah, H., & Bang, H. J. (2022). Recurrence risk prediction of acute coronary syndrome per patient as a personalized ACS recurrence risk: a retrospective study. PeerJ, 10, e14348.

[J2] Shon, H. S., Kong, V., Park, J. S., Jang, W., Cha, E. J., Kim, S. Y., ... & Kim, K. A. (2022). Deep Learning Model for Classifying Periodontitis Stages on Dental Panoramic Radiography. Applied Sciences, 12(17), 8500.

[D1] Kong, V. (2022). Design and Implementation of a Workflow and Orchestration Tool for Building Machine Learning Model. Chungbuk National University

[C2] Vungsovanreach, K., 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.

[C1] 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.

[J1] Aing Teckchun, Kong Vungsovanreach,김옥기,이경희,and 조완섭. "블록체인 자동화도구 개발과 전자투표 적용사례." 한국빅데이터학회 학회지 6.2 (2021): 151-159.

Languages

KHMER Mother Tongue

KOREAN Fair

ENGLISH Good