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CAREER	Electronics and Telecommunications Research Institute (ETRI)
	Senoir Researcher, March, 2019
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Education	Seoul National University, Seoul, Korea
	Ph.D., Department of Electrical and Computer Engineering, Feburary, 2017
	 Thesis Title: Background-Centric Approach for Moving Object Detection in Moving Cameras Adviser: Prof. Jin Young Choi
	• Area of Study: Machine Learning and its application to computer vision area
	B.S., Department of Electrical Engineering, Feburary, 2010
	 Thesis Title: Video Stabilization System for Real-time Video Surveillance System Graduated Cum Laude
Journal Publications	Hyung-Il Kim, Kimin Yun , and Yong Man Ro, "Face Shape-Guided Deep Feature Alignment for Face Recognition Robust to Face Misalignment", <i>IEEE Transactions</i> on Biometrics, Behavior, and Identity Science, 2022.
	Geonu Lee, Kimin Yun , and Jungchan Cho, "Occluded Pedestrian-Attribute Recog- nition for Video Sensors Using Group Sparsity", <i>Sensors</i> , 2022.
	Hyundong Jin, Kimin Yun , and Eunwoo Kim, "Gating Mechanism in Deep Neural Networks for Resource-Efficient Continual Learning", <i>IEEE Access</i> , 2022.
	Youngwan Lee, Hyung-Il Kim, Kimin Yun , and Jinyoung Moon, "Diverse Temporal Aggregation and Depthwise Spatiotemporal Factorization for Efficient Video Classification", <i>IEEE Access</i> , 2021.
	Geonu Lee, Kimin Yun , and Jungchan Cho, "Improved Human-Object Interaction Detection through On-the-Fly Stacked Generalization", <i>IEEE Access</i> , 2021.
	Kimin Yun , Jongyoul Park, and Jungchan Cho, "Robust Human Pose Estimation for Rotation via Self-Supervised Learning", <i>IEEE Access</i> , 2020.
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International Conference Publications	Sunoh Kim, Taegil Ha, Kimin Yun, Jin Young Choi, "SWAG-Net: Semantic Word- Aware Graph Network for Temporal Video Grounding", ACM International Confer- ence on Information and Knowledge Management (CIKM), 2022.
	Youngwan Lee, Joong-Won Hwang, Hyung-Il Kim, Kimin Yun , Yongjin Kwon, Yuseok Bae, Sung Ju Hwang, "Localization Uncertainty Estimation for Anchor-Free Object Detection", Localization Uncertainty Estimation for Anchor-Free Object Detection (ECCVW), 2022.
	Kangmin Bae*, Kimin Yun*, Jungchan Cho, Yuseok Bae "The Dataset and Baseline Models to Detect Human Postural States Robustly against Irregular Postures", <i>IEEE</i> Int'l Conf on Advanced Video and Signal-based Surveillance (AVSS), 2021. * equal contribution
	Sunoh Kim, Kimin Yun, Jin Young Choi, "Position-aware Location Regression Net- work for Temporal Video Grounding", IEEE Int'l Conf on Advanced Video and Signal- based Surveillance (AVSS), 2021.
	Kimin Yun, Hyungil Kim, Kangmin Bae, and Jongyoul Park "Unsupervised Mov- ing Object Detection through Background Models for PTZ Camera", International Conference on Pattern Recognition (ICPR), 2020.
	Kangmin Bae [*] , Kimin Yun[*] , Hyungil Kim, Youngwan Lee, and Jongyoul Park "Anti- Litter Surveillance based on Person Understanding via Multi-task Learning", <i>British</i> <i>Machine Vision Conference (BMVC)</i> , 2020. * equal contribution
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	Jeong-Min Seo, Haanju Yoo, Kimin Yun , Hyunil Kim, and Sang-Il Choi "Behavior Recognition of a Person in a Daily Video Using Joint Position Information", <i>IEEE</i> <i>International Conference on Artificial Intelligence and Knowledge Engineering Work-</i> <i>shop on AI Bigdata Cloud Technologies</i> , 2018.
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Conference	및 이해에 관한 워크샵 (IPIU), 2019.
Publications	서저미 으하즈 치사이 으기미 "해도 이체요 하스테이터 새서으 의하 어나테이셔 드그

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- **윤기민**, 김수완, 윤상두, 김지윤, 최진영, "감시 영상의 사후 분석을 위한 이벤트 요약 및 분석 애니메이션 기술", *대한전자공학회 정기총회 및 추계학술대회*, 2012.
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Patents

- US Patent 16/834500, Domain adaptation-based object recognition apparatus and method (October, 2020, pending)
- US Patent US10789470B2, System and method for detecting dynamic object (September, 2020, granted)
- US Patent US10311579B2, Apparatus and method for detecting foreground in image (June, 2019, granted)
- US Patent 16/541639, Smart glasses and method of selectively tracking target of visual cognition (August, 2019, pending)
- US Patent 16/401789, Method and apparatus for detecting a garbage dumping action in real time on video surveillance system (May, 2019, pending)
- US Patent 16/033152, SYSTEM AND METHOD FOR DETECTING DYNAMIC OB-JECT (July, 2018, pending)
- US Patent US9418320 B2, Apparatus and method for detecting object using PTZ camera (August, 2016, granted)
- KOR Patent 10-2016-0008335 영상에서의 전경 검출 및 방법 (January, 2016, pending)
- KOR Patent 1015134140000 감시 영상 분석 방법 및 시스템 (April, 2015, granted)
- KOR Patent 1014384510000 비고정 카메라 영상에 대한 이중모드 SGM 기반의 이동체 고속 검출 방법 및 이를 위한 컴퓨터로 판독가능한 기록 매체 (September, 2014, granted)
- KOR Patent 1012992370000 팬틸트줌 카메라를 이용한 물체 탐지 장치 및 방법 (August, 2013, granted)

Awards and Honors	ETRI 우수연구실적상, ETRI 저널 논문 부문	2022
	 2021년 국가연구개발 우수성과 100선 (National R&D Excellence Top 100), 사람의 행동을 정밀하게 이해하는 시각지능 핵심 원천 기술 확보 및 실세계 적용 기술 개발 실무책임자 Project Leader: 배유석 (Yuseok Bae) 	2021 중 응용
	Best Paper Award, ETRI Journal, Vision-based Garbage Dumping Action Detection for Real-World Surveillance form • 주저자 (1저자)	2020 e Plat-
	ETRI 대표성과 (Representative Research) - 대상(Grand Prize), <i>영상 내용을 사람처럼 이해하는 시각지능 원천 기술</i> • 참여연구원 • Project Leader: 박종열 (Jongyoul Park)	2020
	2019년 국가연구개발 우수성과 100선 (National R&D Excellence Top 100), <i>대규모 시각 데이터 실시간 분석 및 내용 이해를 위한 디스커버리 플랫폼 (Deep 딥뷰) 개발</i> • 참여연구원 • Project Leader: 박종열 (Jongyoul Park)	2019 View:
	ETRI 신입직원상 (New Employee Award),	2019
	Best Paper Award, CVPR workshop, Detection of Moving Objects with Non-Stationary Cameras in 5.8ms:Bringin tion Detection to your Mobile Device • Workshop on Mobile vision in conjunction with CVPR • 공동저자 (2저자)	2013 ag Mo-
	송원김영환장학재단 장학생 (Songwon KimYoungHwan Scholarship), 2006 -	2013
	서울대학교 전기공학부 장학생,	2006
Teaching Experience	ETRI AI Academy, Daejeon, Korea 전문교수 (Professor) • Human Pose and its Application Aug. 2020 to	o now
	Dankook University, Yongin, KoreaGuest Lecturer (6 week)• Machine VisionApril. 2016 to June.	2016
	 Seoul National University, Seoul, Korea <i>Teaching Assistant</i> Convex Optimization Sep. 2012 to Dec. 	2012

• Introduction to Random Variables and Random Processes Mar. 2012 to Jun. 2012

RESEARCH PROJECT EXPERIENCE	 Development of High Performance Visual BigData Discovery Platform for Large-Scale Realtime Data Analysis Feb. 2017 to now This work was supported by Institute of Information & Communications Technology Planning & Evaluation (IITP) grant funded by the Korea government (MSIT).
	 Development of Previsional Intelligence based on Long-term Visual Memory Network Jan. 2020 to Feb. 2022 This work was supported by Institute of Information & Communications Technology Planning & Evaluation (IITP) grant funded by the Korea government (MSIT).
	 Deep Learning based Object detection and Recognition Apr. 2015 to Feb. 2016 Sponsored by the SAIT Samsung Electronics. The goal of the project is developing detection and recognition algorithms in a driver's view.
	 Development of Predictive Visual Intelligence Technology Apr. 2014 to Feb. 2016 Sponsored by the ICT R&D program of MSIP/IITP. The goal of the project is developing predicting algorithms such as traffic flows.
	 UAV Visual Surveillance System Apr. 2013 to Feb. 2015 Sponsored by Samsung S1. The goal of the project is developing visual surveillance algorithms for unmanned aerial videos such as moving object detection in a non-stationary camera.
	 Intelligent Visual Surveillance System Mar. 2010 to Aug. 2013 Sponsored by Samsung Techwin Co., Ltd. The goal of the project is developing visual analysis algorithms, such as background subtraction, object tracking and behavior understanding, and integrated system.
Reviewers	IEEE Transactions on Neural Networks and Learning Systems IEEE Transactions on Image Processing IEEE Transactions on Vehicular Technology IEEE Transactions on Multimedia IEEE Access
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