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### Education

<b>Sejong University - Seoul, South Korea</b> Master of Science, specialist in applied deep learning on computer vision	<i>Feb 2021 - Feb 2023</i>
<b>Institut Teknologi Bandung (ITB) - Bandung, Indonesia</b> Bachelor of Science, majored in Computer Science	<i>Aug 2016 - Jul 2020</i>

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### Selected Experiences

<b>Lead AI Engineer (Remote Full-time)</b> <i>MrScraper - Web Scraper AI Agent</i>	Los Angeles, USA <i>Mar 2025 - Present</i>
<ul style="list-style-type: none"><li>Designed, developed, deployed, and maintained ScrapeGPT, an AI-powered browser agent serving as the core retail service of MrScraper</li><li>Led browser and reverse engineering R&amp;D by setting direction, managing talents, and actively contributing to complex, high-impact development tasks</li></ul>	
<b>Associate Research Engineer (Full-time)</b> <i>TelePIX Co., Ltd. - Remote Sensing &amp; Analytics Startup</i>	Seoul, South Korea <i>Jan 2023 - Aug 2024</i>
<ul style="list-style-type: none"><li>Design ontology and data ingestion pipeline to load multi-modal information into a knowledge graph for South Korea's national defense</li><li>Led team on multi-sensors building age prediction challenge by <a href="#">AI4EO from ESA</a> and won #2</li><li>Implemented distributed training pipeline to fine-tune EVA-02 (transformer-based foundation model for vision) leveraging 8 in-house H100 maximizing the usage of 640GB of GPU power</li></ul>	
<b>Graduate Researcher and Teaching Assistant (Full-time)</b> <i>Imaging and Intelligent Systems Laboratory, Sejong University</i>	Seoul, South Korea <i>Feb 2021 - Dec 2022</i>
<ul style="list-style-type: none"><li>Researched on efficient data collection for object detection and produced one published paper</li><li>Built a welding anomaly detection app for our lab's client with explainable AI using Grad-CAM and SHAP values</li><li>Prepared lecture material, including demos, tasks, and study cases for Machine Learning course attended by 50+ undergrad students about traditional ML algorithms &amp; AI lifecycle</li></ul>	
<b>Data Engineer (Remote Part-time)</b> <i>Riset.ai - Smart City Autonomous Tram</i>	Bandung, Indonesia <i>Dec 2021 - Dec 2022</i>
<ul style="list-style-type: none"><li>Developed data fusion pipeline of 12 sensors: LIDAR, RADAR, Camera, IMU, and GPS with total size of data ~4TB orchestrated in the cloud using Apache Airflow</li><li>Organized data to comply with standard multi-modal data structure: NuScenes and KITTI</li></ul>	

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### Selected Projects

<b>VRepo - Viral Content Repository built for influencers</b> <ul style="list-style-type: none"><li>Spearheaded prototype in one week: social media content crawler, VLM to extract key features from a viral content, web-based app using NodeJS for user to search through the repository</li><li>Utilized Change Scene Detection model to minimize inference time and data stored</li></ul>
<b>AudioAI - Desktop app to analyze your recordings</b> <ul style="list-style-type: none"><li>Developed key features: audio recordings and media player, transcribe and diarization using Whisper, and LLM integration to develop automated report generation and QA with RAG</li><li>Engineered prompt to generate clinical report from a long-recording telephone interview, saving doctor's time by 40-50%</li></ul>
<b>Multi-modal Building Construction Year Prediction - MapYourCity Challenge Winner by ESA Φ-lab</b> <ul style="list-style-type: none"><li>Developed deep learning model to predict construction year of buildings in european cities based on Sentinel-2, Orthophoto, and some Street View images as input</li></ul>