LUKE SON

San Diego, CA | (619) 857-5513 | lukesson1112@gmail.com

EDUCATION

Rutgers University, New Brunswick, NJ   Fall 2025 -
Bachelor of Science in Computer Science

Sejong University, Seoul, South Korea   Mar. 2021 – Present
Bachelor of Science in Computer Engineering

PROFESSIONAL EXPERIENCE

Social Security Agent, **Seoul Metropolitan Fire & Disaster HQ,** Seoul, South Korea   Dec. 2022 – Sept. 2024
- Managed 20+ years of operational and volunteer data, improving reporting accuracy by 25% and supporting efficient disaster response decision-making; utilized **SQL** for querying and organizing large datasets.
- Assisted in oversaw 300+ computers, resolving 95% of technical issues using diagnostic tools, ensuring a 99% uptime for the disaster response network system.
- Configured network equipment and secure intranet for a disaster command post during the National drill, enabling 100+ personnel to access critical systems 30% faster through optimized VLAN setup.

Co-Founder & Digital Experience Lead, **Carrierfree,** Seoul, South Korea   Mar. 2023 – Dec. 2023
- Conceptualized and developed a web platform for winter jacket rentals, utilizing **AWS S3** and **EC2** for scalable storage and deployment, catering to Southeast Asian tourists' need for cost-effective, hassle-free travel by using **JavaScript, HTML5, CSS, JSON.**
- Led a cross-functional team of 3 developers, coordinating sprints and code reviews, resulting in the agile delivery of the platform two weeks ahead of schedule.
- Implemented a multilingual interface with automatic language detection, enhancing user engagement and attracting 3000+ unique visitors in the first two months

PROJECTS

Conversion Rate Analysis for CarrierFree   **Python, PyTorch, Google Analytics**
- Analyzed 3000+ customer interactions, including user behavior and website traffic patterns, to uncover bottlenecks in the conversion funnel.
- Designed and implemented machine learning models (Logistic Regression, Random Forest) to predict user conversion likelihood to optimize predictions and validate model performance.
- Utilized Python, PyTorch for data preprocessing, feature engineering, and model training, ensuring scalability and reproducibility in a large-scale code project.

TECHNICAL SKILLS

Programming Languages	Python, C, SQL
Web Development	HTML5, JavaScript, CSS, JSON
Machine Learning	PyTorch, TensorFlow, Linear/Logistic Regression, Convolutional Neural Networks
Version Control	Git/Github
Cloud Computing	AWS, Azure, Docker