Jeong Kyu Lee

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EDUCATION

New York University Abu Dhabi, Abu Dhabi, UAE   2019 - 2025
B.S. in Computer Science | GPA: 3.85/4.0
Capstone Project: Machine Learning Based Screening Tool for Lung Cancer Detection

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RESEARCH EXPERIENCE

Undergrad Research Assistant (URA), Computational Biology and Bioinformatics Lab, NYU Abu Dhabi   2024 - Present
Developing a Machine Learning-based screening tool for lung cancer detection using microbiome data.
Evaluated various ML models to optimize feature selection and model performance for early-stage cancer diagnostics.

URA, Social Science Experimental Laboratory (SSEL), NYU Abu Dhabi   2022 - Present
Coded experimental projects and provided programming support to capstone students.
Developed oTree software for experiment on profit-sharing agreements and decision making.

Undergrad visiting scholar, High-Performance Computing Lab, NYU Tandon, NY, USA   Fall 2023
Focused on optimal hardware and benchmarking for the Student Cluster Competition.
Worked on performance optimization and innovative MLPerf Inference solutions.

PROFESSIONAL EXPERIENCE

Founder & CEO, Loop Dimension, Seoul, South Korea   2024 - Present
Founded a startup delivering digital solutions for diverse clients including major corporations like HSad (LG company).
Leading the development of high-quality, customized websites, programs, and applications tailored to client needs.

AI Engineer Intern, Airev Holding Limited, Dubai, U.A.E.   Summer 2024
Utilized Dubai's local data to customize AI solutions for businesses, ensuring cultural and demographic relevance.
Worked with the engineering team to add AI tools to our platform, focusing on what clients in Dubai are looking for.

Full Stack Developer Intern, Storybutton, South Carolina, U.S.A.   Summer 2024
Developed and maintained an iOS application and podcast hosting platform.
Collaborated with the team to design, develop, and implement software solutions (mobile app and CMS website).

Full Stack Software Engineer Intern, Geaux Network, Massachusetts, U.S.A.   Spring 2024
Addressed and resolved website functionality and user experience issues.
Implemented new features and optimized existing ones for enhanced performance and usability.

Intern, Research & Development, Fortyguard, Abu Dhabi, U.A.E.   Summer 2023
Conducted research and analysis on target markets and existing technology.
Assisted in collecting and analyzing data and developing and training machine learning model.

CEO & Co-Founder, GrapeVine Edu, Seoul, South Korea   Summer 2023
Founded a startup to connect Korean students with mentors and tutors for university preparation.

Part-time Intern, Namu Consulting, Seoul, South Korea   Fall 2020
Developed personalized study plans and schedules for students.
Maintained a comprehensive database for U.S. university application data.

LEADERSHIP EXPERIENCE

Undergrad Residential Assistant, NYU Abu Dhabi   Fall 2024 - Present
Lead and organize community-building events to create a welcoming and inclusive environment.
Provide personalized support through one-on-one meetings to ensure residents' well-being.

First Year Student Representative, Writing Center Advisory Panel, NYU Abu Dhabi   Fall 2019 - Spring 2020
Identified and resolved issues in the Writing Program and Writing Center.
Organized writing workshops, updated Candidate Weekend prompt, and promoted Writing Center usage.

First Year Committee member, NYU Abu Dhabi   Fall 2019 - Spring 2020
Addressed student concerns and organized tailored events.
Successfully hosted movie nights, retreats, taboo nights, and workshops.

AWARDS

Merit Scholarship, NYU Abu Dhabi (4 Years, total of 362K USD)   2019 - 2025

SKILLS

C, C++ (MPI, OpenMP, CUDA), Python (NumPy, Pandas, TensorFlow/PyTorch, Flask, Matplotlib, Beautiful Soup), R, Java, Javascript (p5J.js, React.js, Node.js, Express.js), MySQL, LaTeX, API, Web Development, Networking, Machine Learning