

# Jeong Kyu Lee

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## INTRODUCTION

I am a Computer Science student at New York University Abu Dhabi with a focus on Machine Learning and Software Engineering. My multicultural background across South Korea, Egypt, the US, and the UAE gives me a unique perspective. I am eager to tackle complex challenges and innovate in a dynamic environment to solve problems.

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## EDUCATION

**New York University Abu Dhabi**, Abu Dhabi, UAE Aug 2019 - May 2025  
B.S. in Computer Science | GPA: 3.85/4.0  
4 Year Scholarship - 362K USD  
Capstone Project: Machine Learning Based Screening Tool for Lung Cancer Detection

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## 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, Fortygard**, 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.

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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.

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## SKILLS

C, C++ (MPI, OpenMP, CUDA), Python (NumPy, Pandas, TensorFlow/PyTorch, Flask, Matplotlib, Beautiful Soup, Scikit-learn), R, Javascript (p5.js, React.js, Node.js, Next.js), MySQL/PostgreSQL, LaTeX, API, Git, Docker, Machine Learning