

JEONG KYU LEE

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EDUCATION

New York University

Bachelor of Science in Computer Science, Minor in Applied Mathematics

Abu Dhabi, United Arab Emirates

September 2019 - May 2025

- GPA: 3.9 / 4.0
- Awarded a full scholarship to pursue an undergraduate degree (\$362K over 4 years)

PROFESSIONAL EXPERIENCE

Loop Dimension

Founder & CEO

Seoul, South Korea

May 2024 - Present

- Startup delivering digital solutions for diverse clients including major corporations like HSad (LG company).
- Generated over \$15K in revenue and secured 10 contracts within the first 3 months of operations.

Storybutton

Full Stack Developer Intern

South Carolina, USA

April 2024 - August 2024

- Developed an iOS podcast streaming application (**bttn+**), currently the #1 Family Audio Streaming App.
- Developed an app that lets parents create kids' podcasts with AI tools, reducing production time by over 95%.

Airev Holding Limited

AI Engineer Intern

Dubai, UAE

June 2024 - July 2024

- Analyzed over 100 cultural and demographic datasets from various sources of Dubai's local data.
- Worked with the engineering team to add 8 new AI plugins to the platform for customized solutions for businesses.

Geaux Network

Full Stack Software Engineer Intern

Massachusetts, USA

January 2024 - March 2024

- Addressed and resolved over 15 website functionality and user experience issues, enhancing site accessibility.
- Developed 2 new features to increase user engagement, and optimized 4 existing ones for enhanced usability.

Fortyguard

Research & Development Intern

Abu Dhabi, UAE

April 2023 - July 2023

- Conducted comprehensive market research across 5 target regions to evaluate current technological trends.
- Assisted in collecting and analyzing over 10 GB of data and developing and training machine learning model.

RESEARCH EXPERIENCE

Computational Solid Mechanics (CSM) Lab

Undergrad Research Assistant (URA)

Abu Dhabi, UAE

September 2024 - Present

- Developing ML-based digital twin systems for structural engineering in a Mubadala-funded project.
- Coding and running neural network training, developing 3D interface to display VR models of physical structures.

Computational Biology and Bioinformatics Lab

URA

Abu Dhabi, UAE

March 2024 - Present

- Developing a classification ML-based screening tool for lung cancer detection using microbiome data.
- Evaluating ML models (Random Forest, Naive Bayes, etc) to optimize performance for cancer diagnostics.

PROJECTS

Impact of COVID-19 on Education | Data Analytics Project

- Analyzed the differing impacts of COVID-19 on education across countries with various GDP per capita levels.
- Utilized R and data from the World Bank to process and visualize trends in education access and outcomes.

NavGuard | Data Science Web Application Project

- Developed a Flask-based web app to address the challenge of safely navigating through New York City.
- Utilized interactive map visualizations (Folium) and efficient pathfinding algorithms (OSMnx, NetworkX) to analyze traffic patterns, construction zones, and accident data (Pandas, KMeans clustering).

SKILLS

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