

# Jeongin Lee

(+971)501372892  
jl11640@nyu.edu  
github.com/jjeongin  
Abu Dhabi, United Arab Emirates

## EXPERIENCE

### Frontend & Backend Web Developer, AWS Solutions Architect Type Your Words ([www.typeyourwords.com](http://www.typeyourwords.com))

01/2021 - Present

- Interactive Django, Python website that generates random images according to what user types.
- Devised an algorithm to create a dynamic artwork each time using Python.
- Designed a serverless Back-end architecture integrating AWS API Gateway, Lambda, S3, RDS (PostgreSQL), and VPC.
- Utilized architecture techniques such as EC2 Bastion Host and VPC with public and private networks to enhance security.

### Frontend Web Developer

2022 NYUAD Quantum Computing Hackathon  
(<https://github.com/NYUAD-Team12/web-client>)

03/2022 - 04/2022

- Developed a Streamlit website that allows NGOs to optimize human resource allocation during a crisis using Quantum Computing.
- Implemented sign-up, log-in, and log-out features for NGO managers.
- Created UI for form creation, multi-selection, and data visualization using line graphs.

### Frontend Web Developer

NYU Abu Dhabi Student Assistantship - Earliest Memory Archive Website

12/2021 - 12/2021

- Added subtitle feature to the main website of an installation project soon to be exhibited in New York and Abu Dhabi galleries.
- Synched and displayed Arabic subtitles in .vtt files for the randomly chosen English audio using Javascript.

### Software Engineer

Syllabus to Calendar (<https://github.com/jjeongin/Syllabus-to-Calendar>)

11/2021 - 11/2021

- Developed a Python automatic calendar event generator that exports course schedules from the syllabus to Google Calendar using Stanford's SUTime NLP library.
- Handled the input data by converting .pdf syllabus files into pure string format using a Python function.
- Devised the main algorithm that utilizes the NLP model to detect the keywords and exports the collected data into a .csv file.

## SUMMARY

Computer Science student at NYU Abu Dhabi, minoring in Mathematics. Advanced experiences in Python including AI-powered software, website, and game development. Strong communication skills with multiple collaboration and public speaking experiences.

## SKILLS

Python	Advanced
HTML & CSS	Advanced
Communication Skills	Advanced
AI/ML	Intermediate
C/C++	Intermediate
AWS	Intermediate
Git	Intermediate
Assembly Code	Beginner

## LANGUAGES

English	Fluent
Korean	Native

## EDUCATION

### Computer Science

New York University Abu Dhabi  
2024

Bachelor of Science

- Minoring in Interactive Media & Mathematics
- 4-year full scholarship
- GPA: 3.85
- Executive board member & Treasurer at hackAD, Computer Science student club
- Courses: Introduction to CS, Discrete Math, Data Structure, Algorithms, CSO, Operating Systems, Multivariable Calculus, Linear Algebra

## Software Engineer

Dr.Jarvis (<https://github.com/jjeongin/DrJarvis>)

09/2021 - 09/2021

- Developed a medical transcript classifier that helps patients to get their symptoms diagnosed in real-time on a Streamlit-powered web app. Trained by SVM, KNN, and Random Forest models of scikit-learn, a Python ML library.
- Organized and led weekly idea meetings of 4 students, contributed to the UX/UI design process of the web app.

## Interactive Artworks & Websites

Interactive artworks using Processing, Arduino, and Kinect

08/2021 - 12/2021

- Digital artworks coded in Java.
- Interactive 3D animation using Arduino and Microsoft Kinect. Exhibited in NYU Abu Dhabi's Interactive Media Showcase 2021

(<https://github.com/jjeongin/intro-to-IM/tree/main/finalProject>).

- Data visualization of meteorite landings (<https://github.com/jjeongin/intro-to-IM/tree/main/Sept30>).
- Benny the Fish: A website for an interactive children's book (<https://jjeongin.github.io/Benny-the-fish>).

## Game Developer & Illustrator

NYUAD IM PacMan (<https://jjeongin.github.io/IM-PacMan/>)

11/2020 - 12/2020

- Processing games developed using Java.
- NYUAD IM PacMan: Custom PacMan for NYUAD's IM department.
- Resolved multiple errors and enhanced the running time by replacing unnecessary loops and variables.
- Created pixel illustrations for the basic UI using Adobe Photoshop & Illustrator.

## Art & Design

Seoul Scholars International Art & Design

2020

High school diploma

- Vice president of Student Council
- President & Founder of Student Visual Design Club
- Cornell 2019 Fashion Design Award Winner
- Yeongeun Museum Teenager Art Competition Group Exhibition

## CERTIFICATES

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### Deep Learning Specialization - DeepLearning.AI

11/2021 - Present

### AWS Solutions Architect - Associate

03/2021 - Present