# Jeongin Lee

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Abu Dhabi, United Arab Emirates

## EXPERIENCE

### Frontend & Backend Web Developer, AWS Solutions Architect
Type Your Words (www.typeyourwords.com)
01/2021 - Present

- Interactive Django, Python website that generates random images according to what user types. Collaboration with a graphic designer from MICA.
- Devised architecture diagrams to communicate with the collaborator and held weekly meetings.
- 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 & Backend Web Developer
NYU Abu Dhabi Student Assistantship
12/2021 - 12/2021

- Worked as a student assistant for the Early Memory Archive project led by Professor Laura Schneider.
- Added a subtitle feature of randomly chosen audio files for the main website interface using Javascript. Communicated with the project leader regularly throughout the project.

### 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. Collaboration with another CS student at NYUAD.
- Handled the input data by converting .pdf syllabus files into pure string format using a Python function.
- Devised the main algorithm with Python that utilizes the NLP model to detect the keywords and converts the collected data into a .csv file.

### 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.
- Collaborated with 3 undergrad CS students from US and Canada.

## SUMMARY

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

## SKILLS

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|---|---|
| Python | Advanced |
| HTML & CSS | Advanced |
| Javascript | Advanced |
| Communication Skills | Advanced |
| Adobe Photoshop, Illustrator | Advanced |
| AI/ML | Intermediate |
| AWS | Intermediate |
| Git | Intermediate |
| C++ | Intermediate |
| Java | Intermediate |
| C | Beginner |
| 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: 3.8
- Courses: Introduction to CS, Discrete Math, Data Structure, Algorithms, CSO, Introduction to IM, Communications Lab

- Organized and led weekly idea meetings, contributed to the UX/UI design process of the web app.

### Interactive Artworks & Websites
Interactive artworks using Processing, Arduino, and Kinect
09/2021 - 12/2021

- Digital artworks coded in Java.
- Interactive 3D animation using Arduino and Microsoft Kinect (https://github.com/jjeongin/intro-to-IM/blob/main/finalProjec Exhibited in NYU Abu Dhabi's Interactive Media Showcase 2021.
- Data visualization of meteorite landings (https://github.com/jjeongin/intro-to-IM/tree/main/Sept30).
- Benny the Fish: A website for interactive children's book (https://jjeongin.github.io/Benny-the-fish).

### Game Developer & Illustrator
NYUAD IM PacMan
11/2020 - 12/2020

- Processing games developed using Java.
- NYUAD IM PacMan: Custom PacMan for NYUAD's IM department (https://jjeongin.github.io/IM-PacMan/).
- 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

## C E R T I F I C A T E S

### Deep Learning Specialization - DeepLearning.AI
11/2021 - Present

### AWS Solutions Architect - Associate
03/2021 - Present