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.
- 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.
- 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

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