**Contents**

[**1. Please introduce career (work experience) 3**](#_Toc122339128)

[**2. Please tell me yourself (Where are you from?) 3**](#_Toc122339129)

[**3. Are you still located in Santa Monica, CA, US? Can you relocate to work? 3**](#_Toc122339130)

[**4. What is your greatest strength? 3**](#_Toc122339131)

[**5. What is your greatest weakness? 4**](#_Toc122339132)

[**6. Why do you focus on remote role? 4**](#_Toc122339133)

[**7. Are you authorized to work in US? Do you need any sponsorship in the future? 4**](#_Toc122339134)

[**8. Why are you going to leave current position and looking for new role? (Are you working in Gelato now?) 4**](#_Toc122339135)

[**9. Are there any other interviews in progress? 4**](#_Toc122339136)

[**10. Are you interested in company size? Do you prefer big companies or small companies? 4**](#_Toc122339137)

[**11. How much compensation are you asking for to switch to a new company? 4**](#_Toc122339138)

[**12. When can you start working? 5**](#_Toc122339139)

[**13. What is your proficiency level in English? 5**](#_Toc122339140)

[**14. Are you comfortable in hybrid work environment? 5**](#_Toc122339141)

[**15. What other languages do you speak? Do you speak Chinese? 5**](#_Toc122339142)

[**16. Are you vaccinated in order to work? The name of vaccine? 5**](#_Toc122339143)

[**17. How is the weather over their at the moment? 5**](#_Toc122339144)

[**18. Where did you hear our company? What do you know for our company? 5**](#_Toc122339145)

[**19. What is Gelato’s business? 5**](#_Toc122339146)

[**20. How many years of experience do you have totally in Python (AI)? 5**](#_Toc122339147)

[**21. Have you ever applied in machine learning and data science with python? 5**](#_Toc122339148)

[**22. Do you have any other experiences except python? 6**](#_Toc122339149)

[**23. What role do you think you are suitable for? 6**](#_Toc122339150)

[**24. Are you comfortable with Flask and Spark? 6**](#_Toc122339151)

[**25. Do you have experience in AWS? 6**](#_Toc122339152)

[**26. Have you ever worked in cloud environment? 6**](#_Toc122339153)

[**27. Please explain what techniques you used to find your own problem or solution. 6**](#_Toc122339154)

[**28. Please tell me about the projects which you have done using machine learning and python. (What problems have you faced and experienced while working on a specific project? Please tell me about a project you’ve worked on in the past.) 7**](#_Toc122339155)

[**29. Please tell me what is computer vision. 8**](#_Toc122339156)

[**30. What was your main sort of focus in terms of projects? Please speak about computer vision from a technical point of view. 8**](#_Toc122339157)

[**31. What do you see yourself doing 2-5 years from now? Can you tell me about your top position and role? 9**](#_Toc122339158)

[**32. Do you have any other questions? 9**](#_Toc122339159)

# Please introduce career (work experience) (today)

I am a mathematician and machine learning engineer has rich experiences and deep understanding in AI. Also I am a data analyst. I have a bachelor's degree in computer science and a master's degree in statistics.

I studied mainly computer science and mathematics such as calculus, algebra, neural network, optimization, probability and statistics.

After I graduated university, I played roles as machine learning engineer and data analyst for 7 years. In the process, I gained practical experience in the fields of artificial intelligence and data science, and completed several important projects.

My representative projects are medical disease diagnosis system, intersection simulation system, pose estimation for athletes, etc.

And my main programming languages are Python, C++, R and MATLAB.

# Please tell me yourself (Where are you from?) (today)

**(Jusus)**

I was born in Singapore, My father is from Singapore and my mother is Polish. My father and mother were college classmates. My birthday is December 12, 1994. And I lived in Singapore for 17 years and studied abroad in the US until 2016. After I graduated university, I moved to Hong Kong, I worked in Allua Limited company. Since I moved to US again. I am living for 3 years in US.

Street: 305 SAN VICENTE BLVD SANTA MONICA CA, USA

**(Meruzhan)**

I was born in Armenia, My father is from Armenia and my mother is Singapore. My father and mother were college classmates and they were married after graduated. My birthday is December 3, 1996. And I lived in Armenia for 17 years and studied abroad in the Singapore until 2015. After I graduated university, I came back in Armenia. And then I worked in several companies.

Street address: 5 Bashinjaghyan St, Yerevan 0065, Armenia

# Are you still located in Santa Monica, CA, US? Can you relocate to work?

Yes. Now I am living in Santa Monica, CA. Santa Monica is nice city has beautiful beach and I don’t want to relocate. So I am looking for fully remote role.

# What is your greatest strength? (today)

I think that thinking, designing and implementing everything from a mathematical perspective is my important strength. And then, my strength is to accurately understand the different requirements of our clients and put everything to achieve our goals. Also, I try to maintain good relationships with my team members.

# What is your greatest weakness? (today)

I think my weakness is that my R programming skill is not as good as Python. So I am still studying R programming language.

# Why do you focus on remote role?

Well, I have ever worked with onsite and remote roles. But I prefer remote role, because I am free to work from home and assign a lot of time to work. And It is also associated with infectious disease.

# Are you authorized to work in US? Do you need any sponsorship in the future?

I am a US citizen, I don’t need any sponsorship in the future.

# Why are you going to leave current position and looking for new role? (Are you working in Gelato now?)

Gelato company is located in London and that was hybrid position, but I was working remotely. Now their requirement is that I go to office. Really I don’t want to move to UK, I can’t work in Gelato anymore. So I am looking for a new company.

# Are there any other interviews in progress?

Yes. In addition to this interview, there are two other interviews. They are just Big Cloud and Agility Partners companies. One is first step interview and I scheduled technical stage for another one.

# Are you interested in company size? Do you prefer big companies or small companies?

Yes. I prefer Startup company. Because there are not many developers, so I can occupy a leading position of company in a short period of time, if I show enough skills. But big company is not issue too.

# How much compensation are you asking for to switch to a new company? (today)

I want to hear from you. But if I have to say first, my salary is negotiable. Usually, I want about $100,000.

# When can you start working? (today)

I can start immediately. Now I am resting, while I am looking for a new position. I am ready to do new something.

# What is your proficiency level in English?

I think I can speak fluently in English.

# Are you comfortable in hybrid work environment?

I prefer fully remote role, but hybrid role is also fine for me.

# What other languages do you speak? Do you speak Chinese? (today)

I can speak in Chinese. Mandarin, no Cantonese.

I can speak a little in Russian.

# Are you vaccinated in order to work? The name of vaccine? (today)

Yes. **AstraZeneca** 25$

# How is the weather over their at the moment? (today)

Mostly clear, Mostly sunny, Raining…

It is not so good, cloudy.

# Where did you hear our company? What do you know for our company?

I found your company in Linkedin or indeed job sites. I think your company is based on artificial intelligence, especially machine learning and data science. This is very profit for me and required skills are also involved in my fields.

# What is Gelato’s business?

Gelato is a software company that offers customized print products for global e-commerce sellers.

# How many years of experience do you have totally in Python (AI)?

I have experiences of 7 years in Artificial Intelligence (Machine Learning, Python) except university period.

# Have you ever applied in machine learning and data science with python?

Sure. I have rich real-world experiences in machine learning and data science fields. I have done many projects using python programming language.

# Do you have any other experiences except python?

Absolutely, I am machine learning engineer and data analyst.

Machine learning engineers act as critical members of the data science team. Their tasks involve researching, building, and designing the artificial intelligence responsible for machine learning and maintaining and improving existing artificial intelligence systems.

So I read many scientific articles and papers, and simulated them on MATLAB, R besides python. And then applied to several projects.

Also I am researching about machine learning algorithms to improve accuracy and complexity of models.

# What role do you think you are suitable for?

As I mentioned in my resume, my main skills are machine learning, deep learning, statistics, mathematics, biostatistics, data analysis, python, R and have several other skills such as OpenCV, Keras, Computer Vision, AWS, Hadoop and so on. And I have good experiences as machine learning engineer and data scientist. So I think I am suitable for machine learning engineer or data analyst role.

# Are you comfortable with Flask and Spark?

Sure. I worked on data scientist role. At that time, I had to process big data and do data analysis. So I have used Hadoop, Spark and so on.

# Do you have experience in AWS?

Yes. I am familiar with AWS. Generally machine learning and deep learning need high processing capability to train model with many dataset. I am using AWS to implement company’s projects.

# Have you ever worked in cloud environment?

Sure. I have ever used AWS, Google Colab, Azure.

# Please explain what techniques you used to find your own problem or solution.

Mostly I am using techniques such as mathematical concepts, statistical machine learning algorithms, CNN for image detection or classification, RNN for time-series prediction, RCNN and then transformer for natural language processing, etc.

# Please tell me about the projects which you have done using machine learning and python. (What problems have you faced and experienced while working on a specific project? Please tell me about a project you’ve worked on in the past.)

Sure. Representative project I have done using machine learning and python is medical disease diagnosis system.

The aim of this project is to analysis medical histories of patients using natural language processing and predict diseases with a medical history of new patient. According to experts, one person can have up to about 100 diseases. So this is multi-label classification problem. Multi-label classification is different from multi-class classification.

Multi-class classification is the problem of classifying instances into one of three or more classes.

Multi-label classification is the problem of making classification which given instances may belong to more than one label.

In multi-class problems, the classes are mutually exclusive, whereas for multi-label problems, each label represents a different classification task, but the tasks are somehow related.

Because there are many labels and one instance can belong to many classes, to get high accuracy is very difficult. So I researched disease prediction methods and latest scientific papers, and then preprocessed medical histories, implemented classification with made data through preprocessing. As a result, I got 95% accuracy in medical disease diagnosis.

And next project is traffic simulation system at the intersection.

Client demanded that cars exchange information with each other and control their own speed so that cars could pass without stopping at intersections without traffic lights. So cars have to interact each other.

Therefore, the purpose of the project is to simulate cars running at intersections without traffic lights while meeting the requirements, and to collect the speed, acceleration, and distance from traffic lights in real time of each car.

I simulated the environment of this project using Pygame library in python.

Although the project looks simple, it actually required a wealth of mathematical knowledge, including elementary and applied mathematics. I used elementary functions such as Sinus, Cosinus, and Tangens to construct roads, and used derivatives, differential equations, and probability statistical concepts to simulate the motion of cars and obtain real-time data.

Reflecting all these demands, the project was completed and submitted on time, and the client was satisfied.

# Please tell me what is computer vision.

Computer vision is a field of artificial intelligence (AI) that enables computers and systems to derive meaningful information from digital images, videos and other visual inputs — and take actions or make recommendations based on that information.

# What was your main sort of focus in terms of projects? Please speak about computer vision from a technical point of view.

In a word, I focus on the algorithm research that can complete the project in the best way. Machine learning engineers research machine learning algorithms and apply them to real-world problems.

And let me tell you about computer vision.

Computer Vision is an interdisciplinary scientific field of Artificial Intelligence that deals with enabling computers to understand visual data through digital images of videos. With the advent of use cases like autonomous driving and gesture recognition Computer Vision is becoming increasingly popular.

Computer vision needs lots of data. It runs analyses of data over and over until it discerns distinctions and ultimately recognize images.

Two essential technologies are used to accomplish this: a type of machine learning called deep learning and a convolutional neural network (CNN).

Machine learning uses algorithmic models that enable a computer to teach itself about the context of visual data. If enough data is fed through the model, the computer will “look” at the data and teach itself to tell one image from another. Algorithms enable the machine to learn by itself, rather than someone programming it to recognize an image.

A CNN helps a machine learning or deep learning model “look” by breaking images down into pixels that are given tags or labels. It uses the labels to perform convolutions (a mathematical operation on two functions to produce a third function) and makes predictions about what it is “seeing.” The neural network runs convolutions and checks the accuracy of its predictions in a series of iterations until the predictions start to come true. It is then recognizing or seeing images in a way similar to humans.

Much like a human making out an image at a distance, a CNN first discerns hard edges and simple shapes, then fills in information as it runs iterations of its predictions. A CNN is used to understand single images. A recurrent neural network (RNN) is used in a similar way for video applications to help computers understand how pictures in a series of frames are related to one another.

# What do you see yourself doing 2-5 years from now? Can you tell me about your top position and role? (today)

After 2 or 5 years, I intend to work in a responsible position in charge of technology in the company. Or I picture myself as a core member in your company. I will put a lot of effort for this.

# Do you have any other questions? (today)

Please tell me about the steps of interview.

If we can move to technical interview, what programming language do you want to conduct coding test in?

# [Tell me about the latest deep learning architecture for computer vision? 9](#_Toc122339159)

@@@@@

Please tell me about customer.

When do I have to start?

Will you continue to have contact with me regarding the project?

Do you still participate in the project discussion in the future?

I mean do I have to discuss a project directly with customer?

Is this role based on team work?

Do you know about team information?

What is my role here?

What do I have to do work?

How do payments work?