	Strength	Weakness
Quantitative/Qualitative/Mixed	1) I have different experience in quantitative	1) I don't have any skill in qualitative research
Method	research: I mostly conduct data exploration,	and mixed method, except design a simple online
	visualization, and analysis	survey and collect data from it for an elective in
		humanity. And I'm not sure what and how much
	2) I have much hands-on experience in data	qualitative skill I should get for my research.
	visualization and analysis with Python packages. I	
	can choose suitable form and metric based on the	
	type of data and analysis goal.	
Programming capabilities	1) I have experience in versatile languages such as	1) I started to learn R programing myself after
	Python, R, JavaScript, SQL, even a bit Zsh	Python, so I'm feel the syntax is a bit more
	(defaulted MacOS shell script)	complex. My R programming is typically not that
		smooth, also I'm less familiar with R library. I
	2) I quite familiar with Python for ML, data	only use SQL, JS, Zsh occasionally for some
	visualization/analysis work! R is my 2nd choice	minor but supportive work.
	when biological work like DGE analysis is	
	involved.	2) Most of time, I did achieve the task
		requirement, but I felt that I was not using the
	3) Tool/software: familiar with VS code IDE, git,	best/smartest approach or a professional
	Conda environment	workflow. This makes my codes not that
		concise
	4) Specific focus: training supervised ML model:	3) Specific focus: only know the theory of NLP,
	feature engineering, dataset splitting, cross-	Deep Learning, LLM and other more advanced
	validation, tuning and evaluation.	ML technique

		4) Recent years, I feel like an imposter as Copilot accelerates my coding so well and answers my questions related to coding. I am not sure if I really have a trustworthy skill in coding
Mathematics foundations	1) Complete and have a good understanding in the	1) All the coursework is not as deep as CS/Math
	STEM-level suit of math course: calculus, linear algebra, statistics and probability.	major requirement
	2) Know the overall logic of classical algorithms and metrics for both classification and regression ML model, like PCA, tSME, RF, RMSE, AUC-	2) Though I can walk through algorithms and know how they work by respect, but I can't figure out every math detail behind it
	ROC	3) I haven't tried deep learning algorithm which require higher math understanding but this technique is more capable for building solid models
Data Engineering		Only search some data science concepts if needed. Never took any coursework or online resource to learn.