Name: **Kyle Coleman**

Position: **DATA ENGINEER IN AI**

* Works as a Data engineer à working with data to some capacity… writing queries, touching SQL & relational databases… SQL written in python… Also touches front end
* Work with AI à data scientist is responsible for building models
* Ex: DS’s build models that reads & classifies text in a 9000-word doc.
* Kyle Works directly with data scientist
* DE builds practical things for more people, DS’s build for a target audience like DE

**Kyle Starting off:**

Going into the program, he did not know a lot of things… not even python.

What does your regular day to day look like?

**Preparing for summer internship: Technology/Software to learn…**

* Try to learn python
* Write python well
* Know a couple packages: Pandas,
* IUD: Jupyter notebooks, visual studios, Jupyter notebook within VS code
* Linux… shell script… dash
* Putty
* **Terminal… become more familiar with this**
* **SQL: Understanding relational databases**

**The way his Job works:**

Waterfall method à “this is what I want done, get that thing done and it can take them however long”

Agile… (More Structured) every 2 weeks something is due… meetings are planned in advance… work planned ahead of time à very similar to school & homework

Opposed to school, if you do not make the deadlines, you get penalized…

Work à why didn’t you get things done? Not penalized but frowned upon for not completing

Happened to Kyle last year… Give yourself bigger windows to get work done

**Good vs Bad things at travelers:**

Good things:

* Networking: The people… nice, welcoming, helpful
* Opportunities for those in LDP’s… do a lot of cool things
* Quite a bit of exposure& opportunities: VP’s, AVP’s
* Classes: Get to learn a bunch of things at work… instructor led
* Intern coming in: Impactful work as an intern

Bad things:

* Being a part of the program & having your regular job can be a lot sometimes
* Meetings to meetings to do actual work to go to other meetings
* Parking… No free parking

**AI**

AI will not take over or jobs, it is a tool more than an ultimate decision maker

**Extra Things to know**

Shell script to automate things

Max terminal crontab à Schedule jobs to run at certain times à run this pipeline to run at

**Research Project Ideas**

Web scrape a sports site that has sports data and see what predictive parameters can be found within sport stats to see when a sports team is most likely to have their next best game

Can I web scrape twitter and do sentiment analysis to determine whether a stock will go up or down

Name: **Jafet Aprecio**

Position: **Data Engineering.**

What did you start off doing vs what do you do now?

As an intern: Role = Data Engineer… under data engineering team à Fairly technical:

Introduced to project he was going to be doing.

Normal onboarding training:

* Met his team & all of BI&A
* Attended mandatory intern and claims (his team) meetings

He learned technology & resources:

* servers, where to read data from, online resources
* Learn about a pharmacy application: SaaS background that use QlikView… Had to rewrite application on python rather than SaaS… Using python Py spark
  + Process: Run SaaS App… see how the table are created à learned to make a connection on the data source on python. Using python Py spark syntax… lots of syntax
  + Cheated: Copied SQL code inside SaaS program and used it in Py spark
  + Did try to learn Py spark
* AutoAssist: used to schedule runs at a certain time à not a script/an online software

**What Technology/Software do you use?**

First: SaaS, SQL, Python

Still use them today

New Tech: AWS (Amazon Web Services) stuff, more SQL

More on the business side of things:

* Building a project for a legal team in travelers:
  + Learning to communicate business to tech team and technology to business team

**How do you suggest I do to prepare for the summer internship?**

Be aware of different AWS technologies

Freshen up on Python & SQL skills

**Can I tell you about my data science project and you give me feedback on how to customize it more to prepare for my job?**

* Create a scraper to scrape data from any website.

* Use a script to automate the extraction of data

* Put Data into a DB

* Make a connection with python to the database to write SQL in python

Data engineering is more automating things and managing raw data

Jafet’s Senior research project gave him a lot of experience with the data extraction process

No scrapping on the internet at travelers… Instead, they have a variety of databases to look for data

**Notes:**

Sentiment Analysis… have a general understanding of it

\*Insurance is safe when it comes to layoff… people always need to pay insurance… Also not incorporating new technology into their work as fast as Tech companies are\*

Name:

Position:

What did you start off doing vs what do you do now?

What does your regular day to day look like?

What Technology/Software do you use?

How do you suggest I do to prepare for the summer internship?

I am a data science major but, from my understanding, The BI&A is geared towards Data Engineering & Visualization (prepping and visualizing data rather than using data science related work e.g... creating machine learning models). I have 2 ideas of what I want to do my DAS related research on.

Can I tell you what I have, and you give me feedback on how to customize it more to prepare for my job?

Are there any certifications, concepts, or subjects you recommend I do/learn before my internship? Working at Cigna, I have access to LinkedIn Learning.

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