Introduction

YiWei Sun

1. Education

➔ **M.Sc of Microbiology Pharmoceutical Sciences**

Peking Union Medical College, Beijing, China

➔ **M.Sc of Applied Computer Science**

Concordia University, Montreal, Quebec.

2. Job

→ **Research Institute of McGill Universiy Health Center**
RA, Montreal, Qc

→ **Iowa State University**
Bioinformatics Analyst/Programmer, Ames IA

2. Job

➔ **Nuance Communications Inc.**

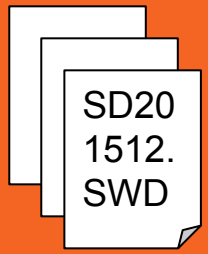
QA Engineer, Montreal, QC

➔ **HPE CANADA**

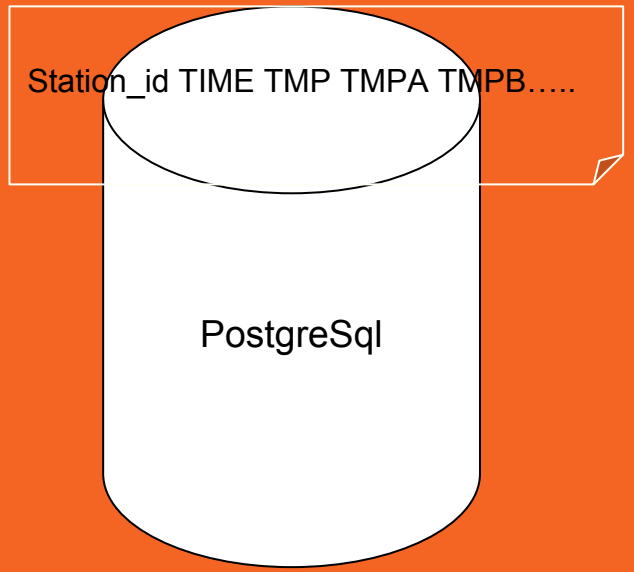
QA Engineer, Montreal, QC

3. Project Example-1

Pipeline for Weather Station Data Sets into Postgresql database(Java)



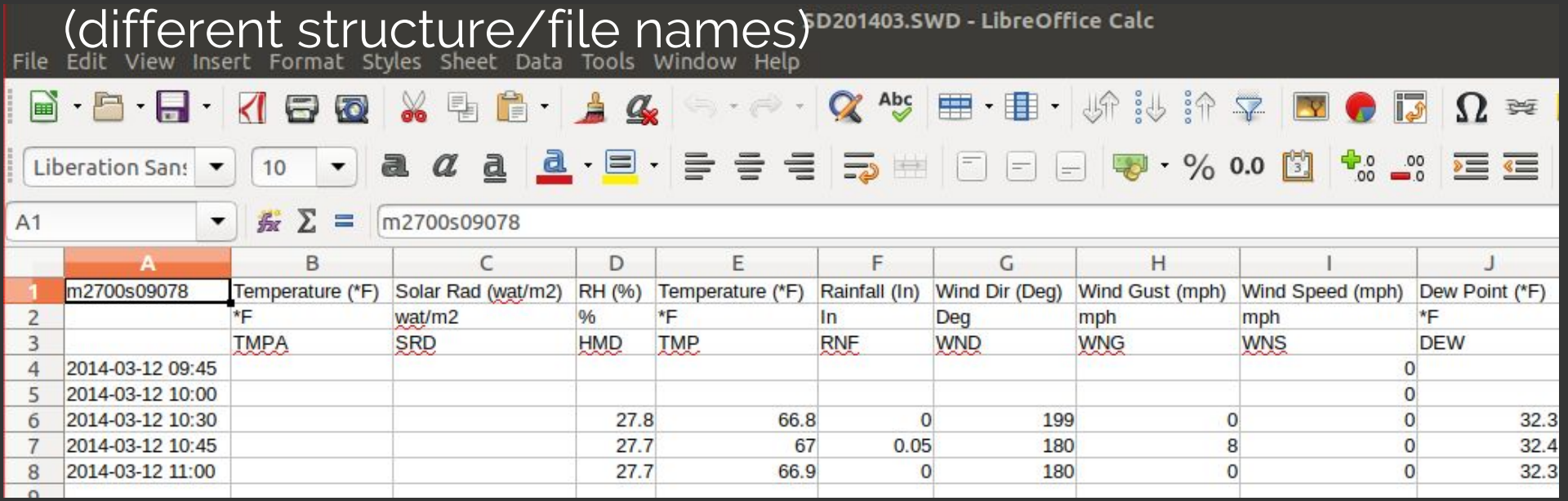
Java, JDBC



Two Challenges!

(csv files with messed up columns)

(different structure/file names)



	A	B	C	D	E	F	G	H	I	J
1	m2700s09078	Temperature (*F)	Solar Rad (wat/m2)	RH (%)	Temperature (*F)	Rainfall (In)	Wind Dir (Deg)	Wind Gust (mph)	Wind Speed (mph)	Dew Point (*F)
2		*F	wat/m2	%	*F	In	Deg	mph	mph	*F
3		TMPA	SRD	HMD	TMP	RNF	WND	WNG	WNS	DEW
4	2014-03-12 09:45								0	
5	2014-03-12 10:00								0	
6	2014-03-12 10:30			27.8	66.8	0	199	0	0	32.3
7	2014-03-12 10:45			27.7	67	0.05	180	8	0	32.4
8	2014-03-12 11:00			27.7	66.9	0	180	0	0	32.3

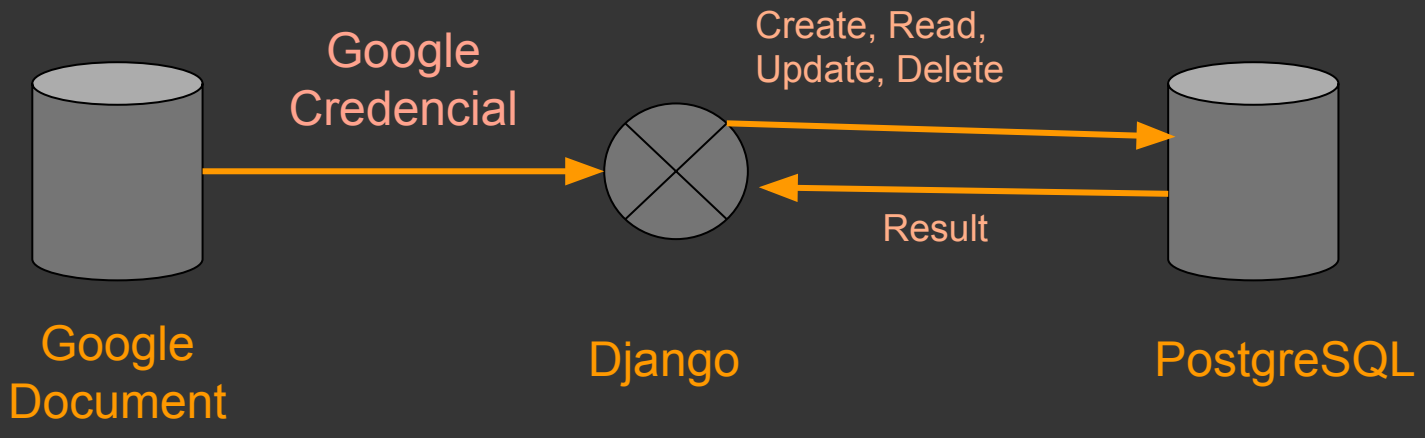
```
Station id 9087: /Users/yiweisun/Public/Drop
Box/weather_stn_0001/9087/SD201505.SWD
Station id 2700 with "_":
/Users/yiweisun/Public/Drop
Box/weather_stn_0005_2700/SD201505.SWD
```

3. Project Example-2

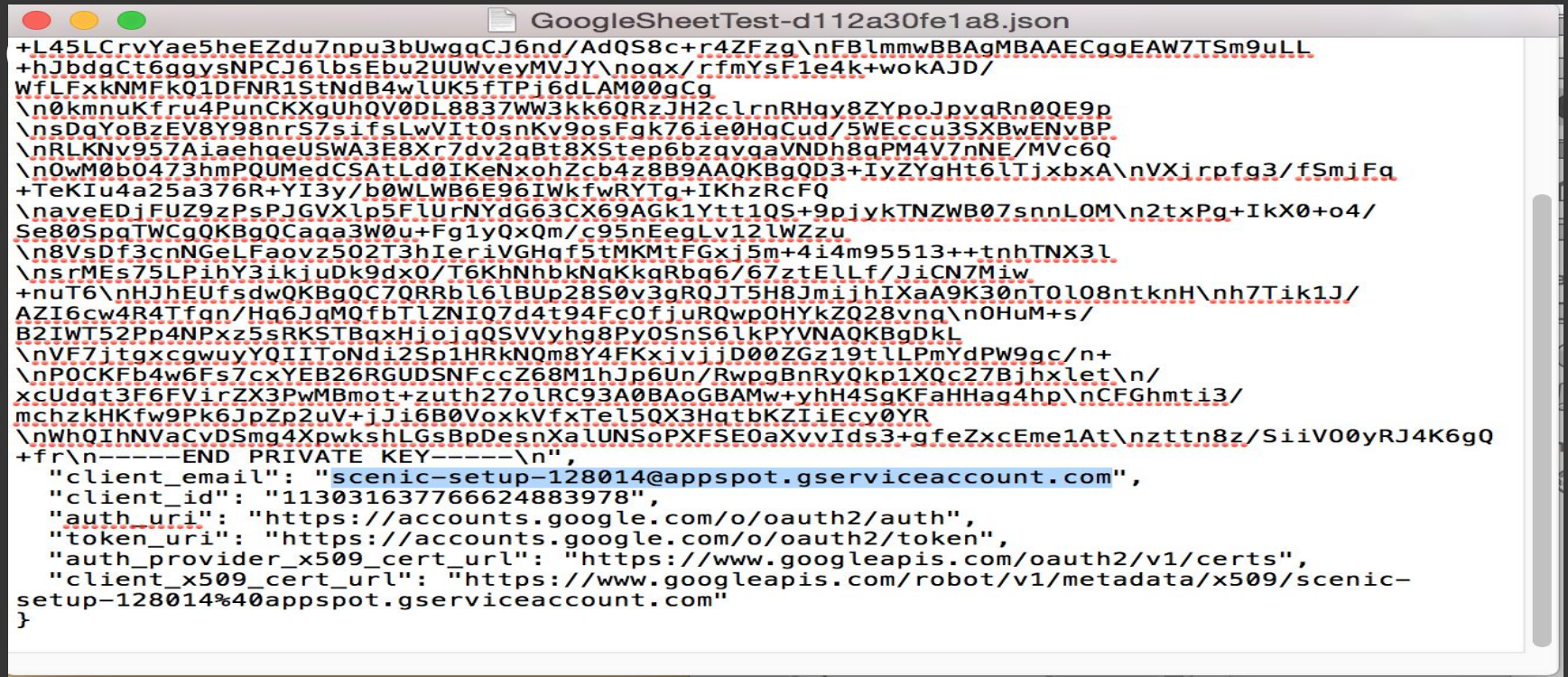
Google Sheet into
Postgre DB(Python
Django)

Two Challenges!

(Google Project Credential and Django)



Two Challenges!


GoogleSheetTest-d112a30fe1a8.json

```
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+fr\n-----END PRIVATE KEY-----\n",
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setup-128014%40appspot.gserviceaccount.com"
}
```

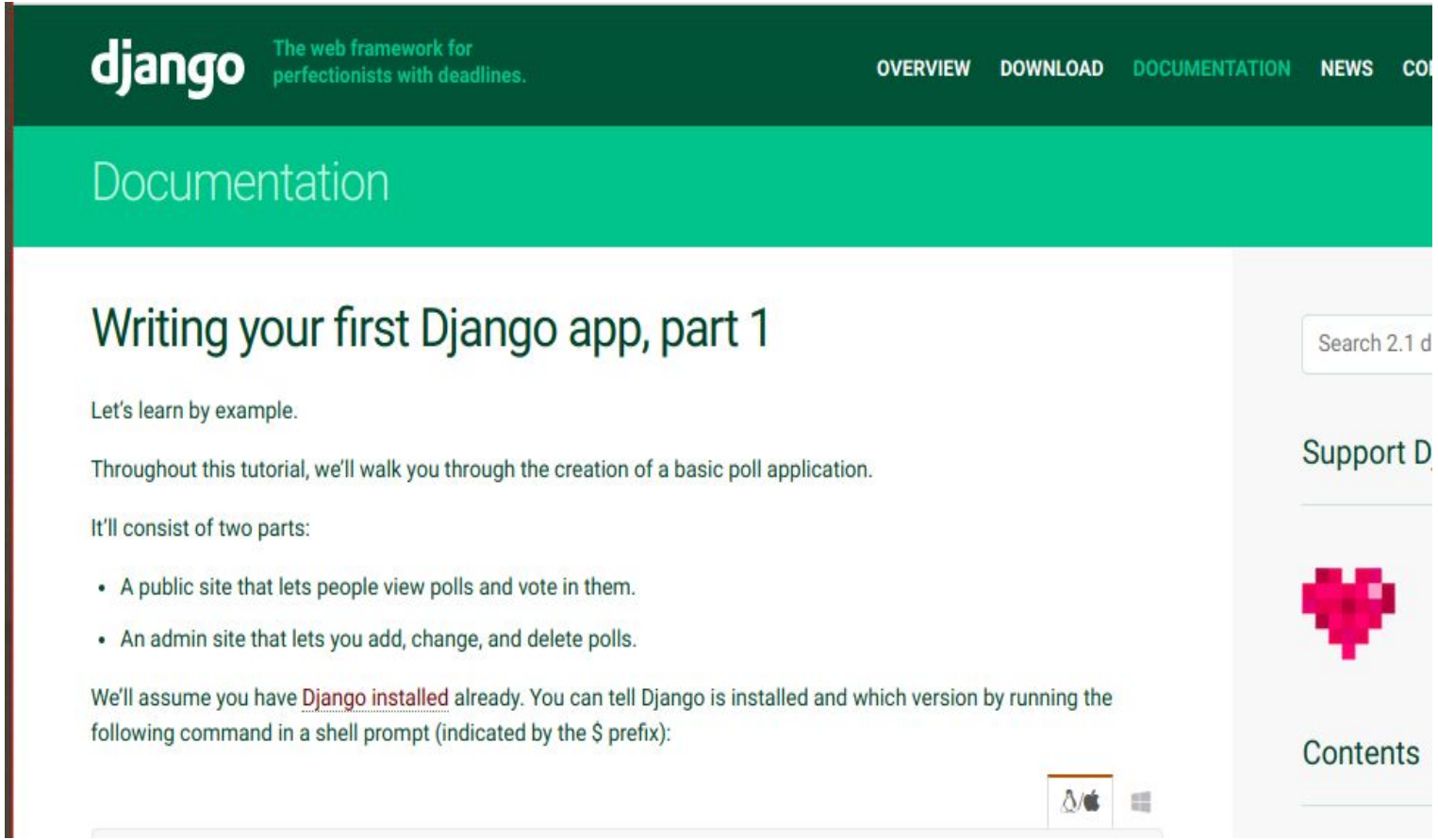
django
The web framework for perfectionists with deadlines.
OVERVIEW
DOWNLOAD
DOCUMENTATION
NEWS
Documentation
Writing your first Django app, part 1
Let's learn by example.
Throughout this tutorial, we'll walk you through the creation of a basic poll application.
It'll consist of two parts:
A public site that lets people view polls and vote in them.
An admin site that lets you add, change, and delete polls.
We'll assume you have Django installed already. You can tell Django is installed and which version by running the following command in a shell prompt (indicated by the $ prefix):
Search 2.1 d
Support D
Contents

WebPage Design

The google sheet list that shared with your client email in download json file for importing and refreshing.

Sheet_title	Imported_status	Import_date	Import_data	Refresh_data	Delete_data
			Import All	Refresh All	
iah1_metadata_2016	☑	May 26, 2016	☐	☐	☐
Copy of iah1_metadata_2016	☑	May 26, 2016	☐	☐	☐
gah1_metadata_2016	☑	May 26, 2016	☐	☐	☐

Import Data | Refresh Data | Delete Data

The google sheet list that is already put into the database table:

- iah1_metadata_2016
- Copy of iah1_metadata_2016
- gah1_metadata_2016

Thank you