**From Data to Decisions:**

**Instructions:**

Download the base files:

* VS Code: <https://code.visualstudio.com/download>
* Python 3.11: <https://www.python.org/downloads/release/python-3110/>
  + Scroll down to tha table with download links
* (OPTIONAL) Ollama: <https://ollama.com/>
  + Once downloaded, open the application and select **Gemma3:1B** from the dropdown menu and type anything in the chat window to trigger the download
    - E.g., “X”

Once VS Code is open and Python is downloaded, do the following:

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| **Steps** | **Mac** | **Windows** |
| Setup Virtual Environment | python3 -m venv .venv  source .venv/bin/activate | py -m venv .venv  Set-ExecutionPolicy -Scope Process -ExecutionPolicy Bypass  .venv\Scripts\Activate |
|  | | |
| Install Python Packages | pip install --upgrade pip  pip install streamlit pandas pydeck geonamescache unidecode rapidfuzz numpy  pip install sentence-transformers | -m pip install --upgrade pip  pip install streamlit pandas pydeck geonamescache unidecode rapidfuzz numpy  pip install sentence-transformers |
|  | | |
| (Optional) Install Ollama | Pip install ollama  ollama serve # starts background service (first time only)  ollama pull gemma3:1b # generation model  ollama pull nomic-embed-text # embedding model | |
|  | | |
| Run whole app | streamlit run app.py  (ResumeDemo\ResumeDemo> python -m streamlit run .\app.py) | |
| Run **Map** | streamlit run map\_app.py | |
| Run **Skill Matcher** | streamlit run pages/02\_Skill\_Matcher.py | |
| Run **Semantic Search** | streamlit run pages/03\_Semantic\_Search.py | |

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| **Verification** | **Either** |
| Check Python & Streamlit | python --version  streamlit --version |