**Complete Installation Guide for Your Boss's Windows Computer**

**Step 1: Install Required Software**

**1.1 Install Python 3.11 or 3.12**

1. Go to <https://www.python.org/downloads/>
2. Download Python 3.11.x (recommended) or 3.12.x
3. **IMPORTANT**: During installation, check "Add Python to PATH"
4. Click "Install Now"
5. Verify installation by opening Command Prompt and typing: python --version

**1.2 Install Git**

1. Go to <https://git-scm.com/download/win>
2. Download Git for Windows
3. Run installer with default settings
4. Verify by opening Command Prompt and typing: git --version

**1.3 Install Visual Studio Code**

1. Go to <https://code.visualstudio.com/>
2. Download and install VS Code
3. Install these essential extensions:
   * Python (by Microsoft)
   * Pylance (by Microsoft)
   * Streamlit (by Streamlit Inc.)
   * GitLens (optional but helpful)

**Step 2: Download and Setup Project**

**2.1 Clone the Repository**

1. Open Command Prompt or PowerShell
2. Navigate to desired location (e.g., cd C:\Users\[Username]\Documents)
3. Clone the repository:

bash

git clone https://github.com/Texasdada13/paul-quinn-it-dashboard.git

cd paul-quinn-it-dashboard

**2.2 Create Updated Requirements File**

Create a new file called requirements\_complete.txt with these contents:

requirements\_complete.txt

Code

streamlit>=1.28.0 pandas>=2.0.0 plotly>=5.15.0 numpy>=1.24.0 beautifulsoup4==4.13.4 certifi==2025.7.9 cffi==1.17.1 charset-normalizer==3.4.2 click==8.2.1 colorama==0.4.6 contourpy==1.3.2 curl\_cffi==0.12.0 cycler==0.12.1 distlib==0.4.0 et\_xmlfile==2.0

**2.3 Set Up Virtual Environment**

1. In Command Prompt, navigate to project directory:

bash

cd paul-quinn-it-dashboard

1. Create virtual environment:

bash

python -m venv venv

1. Activate virtual environment:

bash

venv\Scripts\activate

(You should see (venv) at the beginning of your command prompt)

1. Install dependencies:

bash

pip install -r requirements\_complete.txt

**Step 3: Fix File Path Issues**

Based on your code structure, I need to create a compatibility script to fix any potential path issues:

setup\_boss\_computer.py

Code

""" Setup script to prepare the ISSA dashboard for boss's computer Run this once after cloning the repository """ import os import sys from pathlib import Path def setup\_paths(): """Ensure all file paths are relative and work cross-platform"""

**Step 4: Configure VS Code**

**4.1 Open Project in VS Code**

1. Open VS Code
2. File → Open Folder
3. Select the paul-quinn-it-dashboard folder
4. VS Code should automatically detect it's a Python project

**4.2 Configure Python Interpreter**

1. Press Ctrl+Shift+P to open Command Palette
2. Type "Python: Select Interpreter"
3. Choose the interpreter from your virtual environment: .\venv\Scripts\python.exe

**4.3 Create VS Code Settings**

Create .vscode/settings.json in your project root:

.vscode/settings.json

Code

{ "python.defaultInterpreterPath": "./venv/Scripts/python.exe", "python.terminal.activateEnvironment": true, "files.associations": { "\*.py": "python" }, "python.formatting.provider": "black", "python.linting.enabled":

**Step 5: Test Installation**

**5.1 Run Setup Script**

1. In Command Prompt (with virtual environment activated):

bash

python setup\_boss\_computer.py

**5.2 Test Streamlit**

1. Try running the dashboard:

bash

streamlit run src/dashboard/fully\_integrated\_dashboard.py --server.port 8503

1. Your browser should automatically open to http://localhost:8503

**Step 6: Create Easy Launch Methods**

**6.1 Desktop Shortcut (Optional)**

1. Right-click on desktop → New → Shortcut
2. Location: C:\Users\[Username]\Documents\paul-quinn-it-dashboard\run\_dashboard.bat
3. Name: "ISSA Dashboard"

**6.2 VS Code Launch Configuration**

Create .vscode/launch.json:

.vscode/launch.json

Code

{ "version": "0.2.0", "configurations": [ { "name": "Run ISSA Dashboard", "type": "python", "request": "launch", "module": "streamlit", "args": [ "run",

**🛠️ Troubleshooting Guide**

**Common Issues and Solutions:**

**1. "Python not found"**

* Reinstall Python and ensure "Add to PATH" is checked
* Restart Command Prompt after installation

**2. "Module not found" errors**

* Ensure virtual environment is activated: venv\Scripts\activate
* Reinstall packages: pip install -r requirements\_complete.txt

**3. Streamlit won't start**

* Check if port 8503 is available
* Try a different port: streamlit run src/dashboard/fully\_integrated\_dashboard.py --server.port 8504

**4. Import errors in VS Code**

* Ensure correct Python interpreter is selected
* Reload VS Code window: Ctrl+Shift+P → "Developer: Reload Window"

**5. Permission errors**

* Run Command Prompt as Administrator
* Check antivirus isn't blocking Python/Git

**📝 Final Checklist**

Before calling it complete, verify:

* Python 3.8+ installed with PATH configured
* Git installed and working
* VS Code installed with Python extensions
* Project cloned from GitHub
* Virtual environment created and activated
* All packages installed successfully
* Setup script runs without errors
* Dashboard launches and displays correctly
* All persona tabs load properly

**🎯 Quick Start Commands Summary**

bash

*# 1. Clone repository*

git clone https://github.com/Texasdada13/paul-quinn-it-dashboard.git

cd paul-quinn-it-dashboard

*# 2. Create and activate virtual environment*

python -m venv venv

venv\Scripts\activate

*# 3. Install dependencies*

pip install -r requirements\_complete.txt

*# 4. Run setup*

python setup\_boss\_computer.py

*# 5. Launch dashboard*

streamlit run src/dashboard/fully\_integrated\_dashboard.py --server.port 8503