

# THIS IS THE LAST VERSION OF MY CV

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import random
from typing import List, Dict
from datetime import date, timedelta

class Skill:
    def __init__(self, name: str, level: int, xp: int = 0):
        self.name = name
        self.level = level
        self.xp = xp

    def level_up(self):
        if self.xp >= 100:
            self.level += 1
            self.xp = 0
            print(f"Level up! {self.name} is now level {self.level}!")

    def gain_xp(self, amount: int):
        self.xp += amount
        if self.xp >= 100:
            self.level_up()

class Achievement:
    def __init__(self, description: str, points: int):
        self.description = description
        self.points = points

class Experience:
    def __init__(self, company: str, role: str, start_date: date, end_date: date, achievement: Dict):
        self.company = company
        self.role = role
        self.start_date = start_date
        self.end_date = end_date
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        self.achievements = achievements
        self.total_xp = sum(achievement.points for achievement in achievements)

class Education:
    def __init__(self, degree: str, institution: str, year: int, courses: List[str]):
        self.degree = degree
        self.institution = institution
        self.year = year
        self.courses = courses

class DataWizard:
    def __init__(self, name: str, title: str, catchphrase: str):
        self.name = name
        self.title = title
        self.catchphrase = catchphrase
        self.level = 1
        self.xp = 0
        self.skills: Dict[str, Skill] = {}
        self.experiences: List[Experience] = []
        self.education: List[Education] = []
        self.achievements: List[Achievement] = []
        self.inventory: List[str] = ["Laptop", "Coffee Mug", "Whiteboard Marker"]

    def level_up(self):
        if self.xp >= 1000:
            self.level += 1
            self.xp = 0
            print(f" Congratulations! You've leveled up to Data Wizard Level {self.level}!")
            self.gain_skill()

    def gain_xp(self, amount: int):
        self.xp += amount
        print(f"Gained {amount} XP! Total XP: {self.xp}")
        if self.xp >= 1000:
            self.level_up()

    def gain_skill(self):
        new_skill = random.choice(["Time Travel Debugging", "Quantum Data Analysis", "AI Whi
        self.skills[new_skill] = Skill(new_skill, 1)
        print(f" New skill unlocked: {new_skill}! ")

    def add_skill(self, name: str, level: int):

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        self.skills[name] = Skill(name, level)

    def add_experience(self, experience: Experience):
        self.experiences.append(experience)
        self.gain_xp(experience.total_xp)

    def add_education(self, education: Education):
        self.education.append(education)

    def add_achievement(self, achievement: Achievement):
        self.achievements.append(achievement)
        self.gain_xp(achievement.points)

    def battle_bug(self):
        print(" A wild bug appears!")
        bug_strength = random.randint(1, 10)
        if self.level >= bug_strength:
            print(f"You squashed the bug with your level {self.level} debugging skills!")
            self.gain_xp(bug_strength * 10)
        else:
            print("The bug escaped. Time to level up those debugging skills!")

    def data_mining_expedition(self):
        print(" Embarking on a data mining expedition...")
        treasure = random.choice(["Golden Insights", "Platinum Predictions", "Diamond Data"])
        self.inventory.append(treasure)
        print(f"You discovered {treasure}!")
        self.gain_xp(50)

    def display_stats(self):
        print(f"\n{'=' * 40}")
        print(f" {self.name} - Level {self.level} {self.title}")
        print(f" \"{self.catchphrase}\"")
        print(f"XP: {self.xp}/1000")
        print(f"\n Inventory: {' '.join(self.inventory)}")
        print(f"\n Skills:")
        for skill_name, skill in self.skills.items():
            print(f" {skill_name}: {' ' * skill.level}")
        print(f"\n Achievements: {len(self.achievements)}")
        print(f"{'=' * 40}\n")

    def display_full_resume(self):

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self.display_stats()

print(" Experience:")
for exp in self.experiences:
    print(f" {exp.role} at {exp.company}")
    print(f" {exp.start_date.strftime('%B %Y')} - {exp.end_date.strftime('%B %Y')}")
    for achievement in exp.achievements:
        print(f" {achievement.description} (+{achievement.points} XP)")
    print()

print(" Education:")
for edu in self.education:
    print(f" {edu.degree} from {edu.institution}, {edu.year}")
    print(f" Notable courses: {' '.join(edu.courses)}")
print()

print(" Notable Achievements:")
for achievement in self.achievements:
    print(f" {achievement.description} (+{achievement.points} XP)")

# Create your Data Wizard profile
you = DataWizard("Your Name", "Legendary Data Analyst / Python Sorcerer",
                 "Turning coffee into code and data into gold since 1985!")

# Add skills
for skill, level in [("Python", 9), ("SQL", 8), ("R", 7), ("Tableau", 8),
                    ("Data Wrangling", 9), ("Machine Learning", 7),
                    ("Statistical Analysis", 8), ("Data Visualization", 8)]:
    you.add_skill(skill, level)

# Add experiences
you.add_experience(Experience("GCGA", "Data Alchemist",
                             date(2019, 2, 1), date.today(),
                             [Achievement("Optimized pricing, boosting sales efficiency", 10),
                              Achievement("Crafted magical dashboards, improving stakeholder satisfaction", 10),
                              Achievement("Conjured statistical models, increasing accuracy", 10)]))

you.add_experience(Experience("HIDF", "Data Wizard & Scrum Sorcerer",
                             date(2018, 1, 1), date(2018, 12, 31),
                             [Achievement("Led TPM project, slashing operational costs", 10),
                              Achievement("Accelerated data preparation by 50% with mystical incantations", 10)]))

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you.add_experience(Experience("LABM", "Python Enchanter & Scrum Master",
                             date(2015, 3, 1), date(2017, 12, 31),
                             [Achievement("Orchestrated ETL and DWH projects with 92% satisf",
                             Achievement("Mastered PySpark for large-scale data sorcery",

# Add education
you.add_education(Education("Master's Degree in Computer Science",
                             "Pierre & Marie Curie University", 2014,
                             ["Advanced Algorithms", "Machine Learning", "Database Management

# Add additional achievements
you.add_achievement(Achievement("Certified Agile Project Manager (PMI-ACP)", 100))
you.add_achievement(Achievement("Certified Oracle Database SQL Developer", 100))
you.add_achievement(Achievement("Certified Data Analyst and Data Scientist with Python", 150))

# Simulate some career events
for _ in range(5):
    you.battle_bug()

for _ in range(3):
    you.data_mining_expedition()

# Display the full, fun resume
you.display_full_resume()

print("\n Fun Facts:")
print("1. Once debugged a program so efficiently, the bug apologized before disappearing.")
print("2. Can speak fluent Python to snakes.")
print("3. Holds the world record for most coffee consumed during a single coding session.")

print("\n Spell Book:")
print("1. Accio Data: Summons relevant datasets from the cloud.")
print("2. Debuggus Maximus: Erases the most elusive bugs with a flick of the keyboard.")
print("3. Visualus Spectaculum: Transforms boring data into dazzling, interactive visualizat

print("\n Side Quests:")
print("1. Tame the wild Big Data beast")
print("2. Achieve enlightenment through deep learning")
print("3. Discover the holy grail of clean, consistent data")

print("\n Favorite Tomes:")
print("1. 'Python Spellbook: 1001 Incantations for Data Sorcery'")

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print("2. 'Scrum and Sorcery: Agile Project Management for Wizards'")
print("3. 'The Hitchhiker's Guide to the Data Galaxy'")
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Gained 450 XP! Total XP: 450
Gained 250 XP! Total XP: 700
Gained 350 XP! Total XP: 1050
    Congratulations! You've leveled up to Data Wizard Level 2!
    New skill unlocked: Quantum Data Analysis!
Gained 100 XP! Total XP: 100
Gained 100 XP! Total XP: 200
Gained 150 XP! Total XP: 350
    A wild bug appears!
The bug escaped. Time to level up those debugging skills!
    A wild bug appears!
You squashed the bug with your level 2 debugging skills!
Gained 10 XP! Total XP: 360
    A wild bug appears!
You squashed the bug with your level 2 debugging skills!
Gained 10 XP! Total XP: 370
    A wild bug appears!
The bug escaped. Time to level up those debugging skills!
    A wild bug appears!
The bug escaped. Time to level up those debugging skills!
    Embarking on a data mining expedition...
You discovered Golden Insights!
Gained 50 XP! Total XP: 420
    Embarking on a data mining expedition...
You discovered Golden Insights!
Gained 50 XP! Total XP: 470
    Embarking on a data mining expedition...
You discovered Platinum Predictions!
Gained 50 XP! Total XP: 520
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Your Name - Level 2 Legendary Data Analyst / Python Sorcerer
"Turning coffee into code and data into gold since 1985!"
XP: 520/1000
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Inventory: Laptop, Coffee Mug, Whiteboard Marker, Golden Insights, Golden Insights, Platinum

Skills:

Python:

SQL:  
R:  
Tableau:  
Data Wrangling:  
Machine Learning:  
Statistical Analysis:  
Data Visualization:  
Quantum Data Analysis:

Achievements: 3

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#### Experience:

Data Alchemist at GCGA

February 2019 - August 2024

- Optimized pricing, boosting sales efficiency (+100 XP)
- Crafted magical dashboards, improving stakeholder understanding by 70% (+150 XP)
- Conjured statistical models, increasing accuracy by 25% (+200 XP)

Data Wizard & Scrum Sorcerer at HIDF

January 2018 - December 2018

- Led TPM project, slashing operational costs (+100 XP)
- Accelerated data preparation by 50% with mystical cleaning spells (+150 XP)

Python Enchanter & Scrum Master at LABM

March 2015 - December 2017

- Orchestrated ETL and DWH projects with 92% satisfaction rate (+200 XP)
- Mastered PySpark for large-scale data sorcery (+150 XP)

#### Education:

Master's Degree in Computer Science from Pierre & Marie Curie University, 2014

Notable courses: Advanced Algorithms, Machine Learning, Database Management

#### Notable Achievements:

- Certified Agile Project Manager (PMI-ACP) (+100 XP)
- Certified Oracle Database SQL Developer (+100 XP)
- Certified Data Analyst and Data Scientist with Python (+150 XP)

#### Fun Facts:

1. Once debugged a program so efficiently, the bug apologized before disappearing.
2. Can speak fluent Python to snakes.
3. Holds the world record for most coffee consumed during a single coding session.

Spell Book:

1. Accio Data: Summons relevant datasets from the cloud.
2. Debuggus Maximus: Erases the most elusive bugs with a flick of the keyboard.
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Side Quests:

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Favorite Tomes:

1. 'Python Spellbook: 1001 Incantations for Data Sorcery'
2. 'Scrum and Sorcery: Agile Project Management for Wizards'
3. 'The Hitchhiker's Guide to the Data Galaxy'