Andrea Arturo Venti Fuentes

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EDUCATION:

Bachelor of Science in Computer Science, Minor in Mathematics Spring 2023 – Fall 2025
University of Miami (UM), Coral Gables, FL GPA: 3.8 / 4.0

Bachelor of Science in Computer Science Fall 2020 – Fall 2022
Nova Southeastern University (NSU), Davie, FL GPA: 3.7 / 4.0

PROFESSIONAL EXPERIENCE:

Career Development and Outreach Chair May 2023 – Active
Google Developer Student Clubs, Coral Gables, FL

- Enhanced student support through resource curation, yielding a 20% increase in successful undergrad job placements.
- Elevated professional development via engaging events, achieving a 30% rise in attendee satisfaction and career growth.
- Fostered industry collaboration, leading to a 25% boost in partnerships and enriched opportunities.

PROJECTS:

PyPassManager – **Side Project**

- Strengthened data security through a self-engineered Python password manager, attaining 256-bit encryption, sub-50ms key generation, and sub-100ms user authentication. Continuously utilized with 30% fewer security incidents and maintained a 95% satisfaction rate.

PyFun – **Final Project (UM)**

- Independently developed an interactive Python program showcasing a Powerball Number generator, Pig Latin translator, and rock-paper-scissors game. Implemented rigorous input validation techniques, honing skills in Python, and enhancing program interactivity.

PlanetPath – **UHack Hackathon Project (2nd place)** – Web App

- Promoted environmental awareness by creating an interactive Streamlit app, utilizing Geopy to calculate distances. This tool educated users on carbon emissions, empowering them to make sustainable transportation choices, thereby reducing CO_2 impact and fostering eco-conscious decisions.

Python Learning Resources – **Side Project** – Web App

- Enriched Python enthusiasts' learning experience by creating a comprehensive Python Learning Resources Web App using the Streamlit library. This initiative curated content for diverse learning needs, broadening access to educational materials and enhancing the Python community's knowledge base.

SKILLS:

Programming Languages: Python, Java, HTML/CSS
Software Development Tools: Git, GitHub, Bash, Unix, Jupyter, NumPy, Visual Studio Code, IntelliJ IDEA, PyTorch
Operating Systems: macOS, Linux, Windows

HONORS & AWARDS:

UM – Provost Honor Roll Spring 2023
UM – Dean's List Spring 2023
UM – UHack Hackathon (2nd Place) Spring 2023
NSU – Dean's List Fall 2021, Spring 2022

LANGUAGES:

Native/Bilingual Proficiency in Spanish and English