

# Andrea Arturo Venti Fuentes

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 [Portfolio](#)

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 [GitHub](#)

## EDUCATION:

**Bachelor of Science in Computer Science, Minor in Mathematics**

*University of Miami (UM), Coral Gables, FL*

Spring 2023 – Fall 2025

GPA: 3.8 / 4.0

**Bachelor of Science in Computer Science**

*Nova Southeastern University (NSU), Davie, FL*

Fall 2020 – Fall 2022

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. Meticulous safeguarding of sensitive data through a robust file-based system.

[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 (2<sup>nd</sup> 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 CO2 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 (2<sup>nd</sup> Place)

Spring 2023

NSU – Dean's List

Fall 2021, Spring 2022

## LANGUAGES:

Native/Bilingual Proficiency in Spanish and English