


# Andrea Arturo Venti Fuentes

 [LinkedIn](#)

 (954) 952-2239

 [Portfolio](#)

 [andrea.venti12@gmail.com](mailto:andrea.venti12@gmail.com)

 [GitHub](#)

## EDUCATION:

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

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

Spring 2023 – Fall 2025

GPA: 3.77 / 4.0

## PROFESSIONAL EXPERIENCE:

**Career Development and Outreach Chair**

May 2023 – Active

*Google Developer Student Clubs, Coral Gables, FL*

- Effectively led student support initiatives, organized development events, and fostered industry collaborations, significantly enhancing student career opportunities and networks.

**Calculus, Java, and Python Tutor**

September 2023 – December 2023

*University of Miami, Camner Center for Academic Resources, Coral Gables, FL*

- Successfully improved UM students' understanding and performance in calculus, Java, and Python through innovative teaching methods and effective problem-solving strategies.

## PROJECTS:

**FlaskKeyring – Full-Stack Web Application** // *Python, Flask, JavaScript, HTML/CSS, Bootstrap, PostgreSQL, Heroku*

- Developed a full-stack password manager, showcasing expertise in both frontend and backend development.
- Integrated Flask with a PostgreSQL database for secure data handling, alongside Fernet encryption for robust data protection.
- Implemented advanced features including user authentication, password reset via Flask-Mail, and dynamic templating with Jinja2.

**Mastermind with Progressive Difficulty** // *Java, Algorithm Development, Game Design*

- Created an adaptive Java-based Mastermind game with progressive difficulty, enhancing player engagement.
- Devised a unique algorithm for dynamic codeword complexity, offering an increasingly challenging experience.
- Developed an interactive and intuitive user interface, providing instant feedback and enhancing user experience.

**macOS Bootstrapping Script** // *Bash, Zsh, Git*

- Automated the setup for macOS development environments, ensuring efficient and streamlined configurations.
- Scripted installations of key development tools like Homebrew and Oh My Zsh, including dotfile management.
- Tailored the script for versatility, accommodating various software like Neovim, iTerm2, and VS Code.

**FlaskKeyring iOS App** // *Swift, WebKit, iOS Development*

- Extended the FlaskKeyring web application to iOS, ensuring seamless functionality and user experience.
- Utilized Swift and WebKit for robust app development, focusing on cross-platform compatibility.
- Prioritized security and user-friendly design, maintaining high standards in mobile app development.

## SKILLS:

**Programming Languages:** Java, Python, C/C++, JavaScript, HTML/CSS, Bash, Lua

**Development Tools:** Git, Docker, Jupyter, Vim/Neovim, VS Code, IntelliJ, PyCharm, Eclipse

**Frameworks:** Flask, PyTorch, TensorFlow

**Libraries:** Cryptography, Requests, Streamlit, NumPy, Pandas, Matplotlib

**Operating Systems:** Unix, Windows

**Languages:** Fluent in Spanish and English

## HONORS & AWARDS:

**University of Miami:**

- Dean's List (*Spring 2023, Fall 2023*)
- Provost Honor Roll (*Spring 2023*)
- UHack Hackathon 2nd Place (*Spring 2023*) - Project Details: [PlanetPath](#)

**Nova Southeastern University:** Dean's List (*Fall 2021, Spring 2022*)