

# Jaden Delapaz

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## Education

University of Florida (UF) - Gainesville, FL

Expected December 2026

Bachelor of Science in Computer Science

GPA: 3.68/4.0

- **Relevant Coursework:** Data Structures and Algorithm, Discrete Structures, Machine Learning, Software Engineering, Operating Systems, Information and Database Systems, Human-Computer Interaction

## Projects

ShriekPeek Android App | Python, Kotlin, Android Studio

May 2025 – August 2025

- Developed an Android mobile application using Android Studio that notifies the user of upcoming horror movie jumpscare.
- Automated data collection using BeautifulSoup from a public site to create a local database of 50,000 movie scenes.
- Designed a responsive movie list UI and enabled navigation between screens using navigation components in Android Studio.
- Integrated error handling, retry logic, and data deduplication to ensure accurate data within the local JSON database.

NuMe – AI-Powered Personal Wellness Tracker | JavaScript, Next.js, React, Supabase, CSS

May 2025 – August 2025

- Developed a responsive and secure frontend using Next.js and React, used Hooks for state management and user interactions.
- Integrated a Supabase backend, leveraging Supabase auth for secure user authentication and row-level security.
- Incorporated the Gemini API to perform text-based analysis on user journal entries, providing them affirmations and themes.
- Styled the application with CSS modules and created a dynamic, animated gradient background for a modern user experience.

Playlistify Web App | Python, CSS, Next.js

May 2025 – July 2025

- Collaborated with 3 other developers to design a web application to extract the meaning behind a Spotify playlist.
- Built a full-stack lyrics analysis tool using Next.js API routes and external APIs to process fetched song lyrics.
- Integrated the app with Lyrics.com/STANDS4 API to retrieve song metadata.
- Developed logic to pass lyrics data into Google Gemini API for text-based analysis.

UF Filipino Student Association Discord Wolf Bot | Python

June 2024

- Collaborated with 2 other developers to design a Discord bot integrating the Google Calendar API to announce important dates and events to UFFSA's Discord server with 500+ members.
- Utilized GitHub to maintain an organized and structured way of managing version control, ensuring smooth collaboration between all developers.
- Developed the bot to additionally connect to voice channels and play music using the ytdl-core and discord.js libraries.
- Successfully deployed the bot and received feedback from 25+ users to improve the bot's ease of use.

## Experience

Software Research Assistant | Machine Intelligence Lab

May 2025 - Present

- Integrate diverse software and hardware components for the SubjuGator Autonomous Underwater Vehicle (AUV) project.
- Create Gazebo simulations to test the SubjuGator AUV navigation and perception systems in a controlled virtual environment.
- Capture labeled image data from simulation environments to train machine learning models for real-time object recognition during autonomous navigation.
- Modify PID controller tuning to fix movement and rotation issues in SubjuGator AUV navigation.

Web Intern Technical Lead | UF Filipino Student Association

August 2024 - Present

- Cooperate with the webmaster, 2 task leads, and 15 web interns to implement frontend, backend, and UI/UX improvements using HTML, CSS, JavaScript, and React.
- Refine the website to integrate social media feeds and relay important information about upcoming events and dates.
- Assist the webmaster in leading biweekly scrums to discuss frontend, backend, and UI/UX updates with other web interns.
- Develop a visual mentor/mentee page that showcases a database of 100+ general members in a tree structure.

Mass Communications Chair | UF Filipino Student Association

June 2024 – April 2025

- Created 8 meeting pamphlets and meeting presentation slides for the organization's monthly general body meetings.
- Carried out various chair requests and efficiently relayed important information to 15+ chairs within the organization.
- Managed the organization's social media outlets of 2000+ followers to relay information about important dates and events.
- Assisted 30+ first-year students in gaining leadership skills across opportunities within the organization's operations.

## Skills

**Programming Languages:** Python, C++, Java, MATLAB, HTML, CSS, SQL

**Frameworks / Libraries:** React, Node.js, Next.js, TensorFlow, scikit-learn, Pandas, NumPy, Matplotlib, seaborn

**Software:** VEGAS Pro, Adobe Photoshop

**Skills:** Verbal communication, teamwork, customer service, problem solving, active listening