

# Pedro A. Pajarillo Jr.

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## EDUCATION

**Rutgers, The State University of New Jersey**  
Bachelor of Science, Computer Science, Minor in Cognitive Science  
**IBM Qiskit Global Summer School 2022 and 2023**

New Brunswick, New Jersey  
September 2021 – May 2024  
**GPA: 3.3/4.0**

**Middlesex County College**  
Associate in Science: Computer Science Transfer  
**Dean's List**

New Brunswick, New Jersey  
September 2019 – May 2021  
**GPA: 3.5/4.0**

## PROFESSIONAL EXPERIENCE

**Rutgers University, Head ILab Assistant / Computer Science Student Manager**  
*ILab Assistant / Computer Science Tutor*

January 2022 – Present  
January 2022 – September 2023

- Lead and work with a team of **12 computer science tutors** and help **60+ students** in data structures and algorithms.
- Maintains **30+ server computers** from the Department of Computer Science. Performs troubleshooting and routine maintenance on the machines.
- Lead computer science tours with the help of the computer science department, welcoming prospective students.
- Create a clean and welcoming space for students and professors.

**Rutgers University, Head Graduate Teaching Assistant**  
*Graduate Teaching Assistant*

September 2023 – Present  
September 2022 – September 2023

- Grade and teach Python to **40+ students** for the Master of Business and Science degree.
- Holds office hours **weekly** for a total of **6+ hours** to help students solidify their understanding of lecture topics.
- **Main communicator** between teaching assistants and the head professor.
- Creates new assignments for the course.

## PERSONAL PROJECTS

**Green Habits (HackRU Spring Hackathon 2024 Winner!)**

March 2024

*Python, Flask, HTML, CSS, Bootstrap, SQL, and JavaScript*

- Create task planner centered on social good and sustainability. Designed to help individuals efficiently coordinate activities with a focus on environmental responsibility, integrating tasks into **Google Calendar** for scheduling and organization.
- Seamlessly integrates a centralized database with **Discord**, allowing users to manage their Google Calendar events and tasks securely.
- Implement a **chatbot** that enables users to inquire about methods for enhancing their lifestyle.
- Employs **Beautiful Soup** in Python to conduct **web scraping** of upcoming events from the Rutgers Office of Climate Action. **Delivers detailed information** about upcoming events including their campus locations, date, description, and times.

**Reminder Discord-Bot**

February 2024

*Python, Discord API, Google Calendar API, and SQL*

- A friendly Discord bot that helps anyone keep track of important tasks and events from the user's Google Calendar.
- Keeps track of the user's tasks and Discord information securely using a database and discretely direct messages the about tasks that are due at the end of the day.
- **20+ daily users** and has greatly improved task completion and productivity by **15%**.

**Gambling Discord-Bot**

February 2024

*Python and Discord API*

- Developed a **Discord bot featuring simulated casino games** including slots, blackjack, dice games, and guess-the-number challenges.
- Designed a bot that interacts with user input from the Discord application; Utilize a database to dynamically manage and track user's Discord information, gambling balances, and transaction histories.
- Provides a simulated gambling experience without real-world financial implications to **30+ daily users**.

## TECHNICAL SKILLS

**Languages:** Python, Java 22, C, HTML, CSS, JavaScript, SQL, JavaFX, OCaml, AutoHotkey, PHP, F#

**Softwares:** Visual Studios Code, Eclipse, VIM, Android Studios, Git

**Frameworks:** Flask, Django, Bootstrap, Auth0

**APIs:** Discord, Google Gemini AI, Google Calendar, Google Documents, Google Cloud, Cloudflare Worker AI