

# Daniel Nicolas

✉ dan.nicolas321@gmail.com | ☎ 6318897006 | 📍 New York, New York |  
in <https://www.linkedin.com/in/daniel-nicolas-337595246/>

## Projects

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### AI Plays Flappy Bird

- Developed an AI-driven Flappy Bird Game using the NEAT algorithm to train bots to play autonomously.
- Built the game from scratch, incorporating custom gameplay mechanics, including a classic mode for manual play and a bots mode for AI demonstration.
- Implemented a user-friendly main menu with options to switch between game modes and added a pause feature with Resume, Restart, and Main Menu navigation.

### Where Is The ISS

- Developed a web application to track the real-time location of the International Space Station (ISS) using the WhereTheISS.at API.
- Implemented custom map markers and visual updates using Leaflet.js for dynamic real-time tracking.
- Utilized asynchronous JavaScript (AJAX) to update ISS coordinates and weather data every five seconds without page refresh.

## Experience

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### Panera Bread

ASSOCIATE

Deer Park, NY

August 2023 – Present

- Managed cash transactions accurately and efficiently, ensuring the correct exchange of funds and providing accurate change to customers.
- Worked closely with colleagues to fulfill customer orders accurately and in a timely manner.
- Maintained composure in a fast-paced and dynamic work environment.

### Belmont Lake State Park

PARKS AND RECREATION AID

North Babylon, NY

May 2022 – August 2022

- Charge patrons for parking and for renting boats at the park's boat dock.
- Groundskeeping and landscaping duties
- Assisted patrons with boarding and disembarking from rental boats.

### BJ's Wholesale Club

CASHIER

Deer Park, NY

October 2021 – May 2022

- Handle cash and credit transactions with members.
- Encourage memberships promotions to members when applicable.
- Addressed customer questions and complaints with professionalism.

## Education

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### SUNY Plattsburgh

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Plattsburgh, NY

December 2024

## Skills

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**Programming Languages:** Python, Java, JavaScript, C++, Numpy, Pandas