



CONTACT

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📍 18 Prospect Street
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EDUCATION

MORRISTOWN HIGH SCHOOL,
GPA 4.054

- STEM Academy Scholar

COUNTY COLLEGE OF
MORRIS, GPA 3.7

- Cybersecurity Dual Enrollment Program through Morris County School of Technology (will complete 31 credits by 6/2027)
- Cybersecurity Advisory Board
- Dean's List

SKILLS

- Python
- Java
- Probability Modeling
- Basic Algorithms
- Game Prototyping
- Systems Thinking

AREAS OF INTEREST

- Interactive Computing
- Systems Design
- Game Design
- Interactive Media

CHARLES BARRA

ASPIRING GAME & INTERACTIVE SYSTEMS DESIGNER

PORTFOLIO LINK > WWW.CHARLIEBARRA.COM

ABOUT ME

High school junior interested in interactive computing, game design, and systems-based problem solving. Combines analytical thinking with creative design through competitive strategy gaming, programming, and independent projects. Fascinated by how thoughtful interactive design shapes the way people interact, learn, and solve problems.

ACHIEVEMENTS

Competitive Systems Strategy – Pokemon TCG

2× World Championships Qualifier (2020, 2025)

- Top 100 globally (2025 Senior Division)
- Applied probability and strategic decision-making in high-level tournament play.
- Continuously adapted strategies as new cards and evolving metagames changed competitive play.

First Degree Black Belt in Tae Kwon Do

- Demonstrated long-term discipline, focus, and goal progression

PROJECTS

Meteor Mayhem – Card Game Design Project

- Designed and developed an original strategy card game with defined mechanics and ruleset
- Created a playable prototype & applied iterative testing to improve system balance and player outcomes
- Modeled win probabilities based on deck composition and draw outcomes
- Refined gameplay through playtesting, iteration, and balance adjustments.

EXPERIENCE

New Jersey Office of Homeland Security & Preparedness (NJCCIC)

Advanced Cybersecurity Intern

JULY - OCTOBER 2026

- Selected for an elite, competitive state-level cybersecurity program for advanced high school students.
- Conducted open-source intelligence (OSINT) gathering and advanced threat research to analyze emerging cyber risks.
- Co-authored public outreach materials and technical articles for the official NJCCIC Student Newsletter.
- Collaborated in a virtual team environment to develop and present a comprehensive cybersecurity capstone project.

Playa Bowls & Learning Express Toys

2025 - PRESENT

Team Member

- Served 100+ customers per shift in a fast-paced environment, maintaining accuracy and efficiency
- Built communication and problem-solving skills through real-time customer interaction