

Filipe Cabral

STUDENT LEADER & SCHOLAR | NORTH BROWARD PREPARATORY SCHOOL, CLASS OF 2026

IB Diploma candidate passionate about math, physics, computer science, and innovation. Gold medalist for Soundpath, an AI-driven career app. Co-founder of Reboxify, a tech-for-good nonprofit, and US Sand Arena, the largest beach tennis facility in the U.S. Ranked #1 U.S. Under-18 Beach Tennis Player, uniting analytical rigor with entrepreneurial and athletic excellence.

ACADEMIC HIGHLIGHTS

- **GPA:** 4.8 • **Program:** IB Diploma | AP Classes • **Service Hours:** +300
- **Relevant Coursework:** Harvard CS50 Certificate, AP Computer Science, AP Psychology, IB Mathematics, IB Computer Science, IB Physics, IB English, IB Geography and IB Spanish.

EDUCATION

North Broward Preparatory School - Coconut Creek | Florida Class of 2026
Senior IB Diploma Candidate | Top 3% of Class

AWARDS, HONORS & HONORABLE MENTIONS

- Gold medalist at the Science Fair for developing Soundpath, an AI-based career exploration app. AP Statistics Award of Excellence – Recognized for top performance in AP Statistics, National High Honor Roll – Achieved straight A's throughout the year; National Honor Society – Consistently high academic achievement (9th–11th grade), National English Honor Society – Outstanding performance in English courses, National Spanish Honor Society – Exceptional achievement in Spanish studies and National Science Honor Society – Recognized for excellence in STEM;
- Among the youngest students worldwide to complete Harvard's CS50 Computer Science program, earning official certification from Harvard Online Business School.
- Science Fair Winner — North Broward Prep (Grades 10–11)
Two-time school champion for projects combining psychology and computer science. Recognized for innovation, coding ability, and application of behavioral science. Year 1: designed an experiment on how music genres influence memory recall. Year 2: developed a Python-coded memory game analyzing performance under varying music conditions to predict career strengths;
- CyberPatriot — State Gold Tier (Grades 10–11)
Advanced to Gold Tier in the state-level CyberPatriot competition, demonstrating expertise in system defense, vulnerability analysis, and secure coding while excelling under high-pressure, timed conditions;
- Competitive Coding Team — NBPS (Grades 10–11)
Competed in university-level programming contests at FIU, UCF, and FAU. Focused on algorithm design, debugging, and problem-solving, placing competitively against high school and college teams;
- 1st team all-county for sun sentinel and Dade Soccer in Florida: Varsity Soccer (11-12 grade).
<https://www.sun-sentinel.com/2025/03/27/allcounty-broward-4a-1a-boys-soccer-first-team-second-team-coach-of-the-year/>

INITIATIVES & WORK EXPERIENCE

Co-Founder | reboxifywater.org 2023 – Current
Social Impact Nonprofit Startup for a Sustainable Future

- Co-founded Reboxify, a 501(c)(3) nonprofit turning recyclables into sustainable water bottles. Inspired by my time in Brazil, it combines my passions for coding, problem-solving, collaboration, and tackling meaningful challenges;
- Developed the website from scratch, participate in events and meetups, raise \$25K+, produce 20,000+ biodegradable bottles across four countries, coordinate a student team, manage logistics, and pioneer fully personalized sustainable bottles for communities in need.

Researcher & Software Developer in Quantum Computing 2024 – Current
Student Independent Researcher, Internship at Juma Agro

- Implemented Shor's Algorithm in Qiskit to demonstrate how quantum systems could break RSA encryption, analyzing implications for global cybersecurity;
- Applied the Variational Quantum Eigensolver (VQE) to simulate molecular energy states, with potential applications in designing sustainable biopesticides for agriculture;
- Collaborated on drone-based AI research with JUMA-AGRO.COM.BR, focusing on pest detection and the targeted use of eco-friendly control agents, applying Quantum Support Vector Machine (QSVM) for image classification.

Co-Founder | US Sand Arena 2024 – Current
• Launched an 8-court beach sports hub in Deerfield Beach (Florida), expanding local participation by 20% and introducing innovative tech-driven systems for events and operations.

Software Development & Demo Prospect Agent 2024 – Fall 2025
Summer Shadowing at reachthepeople.ai

- Collaborated on an AI-driven SaaS platform that automates personalized outreach at scale. Contributed to backend development in Java, integrating APIs and data pipelines for lead generation and CRM workflows. Participated in strategy sessions with founders and prospect calls with C-level executives, gaining hands-on exposure to go-to-market strategy, business development, and operations

PERSONAL INFO

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CLUBS & COMMUNITY INITIATIVES

National Honor Society (NHS)

Grades 11-12 (2 hours per week)
Vice President: 2025, Secretary: 2024
Lead student-run service initiatives and club operations, organizing meetings, coordinating projects, and boosting member engagement by 28%.

Israel-Palestine Dialogue Club

Grades 11-12 (2 hours per week)
Co-Founder, Vice President
Co-founded the Israel-Palestine Club to lead informed, respectful discussions on a complex topic, fostering open-mindedness, evidence-based reasoning, and stronger analytical and rhetorical skills through diverse perspectives.

Logic Lab

2023 – Current (One-hour session biweekly)
Founded a remote coding program empowering 160+ underserved Brazilian students with digital literacy, Python, and Scratch, fostering logical thinking and opening pathways to future opportunities.

Soccer Coach

Summers of 10th and 11th Grade (2 hours per week)
Invited by CBF Soccer School to teach and mentor children aged 4–9 in soccer, fostering teamwork, skills development, and a love for the game.

Beach Tennis Coach

Summers of 10th and 11th Grade (One-hour session biweekly)
Top 10 U.S. U18 ITF athlete teaching 40+ students at the nation's largest beach tennis arena; provide free lessons to underprivileged children while integrating Reboxify's sustainability efforts.

ATHLETIC AWARDS

#1 U.S. Under-18 Beach Tennis Player (ITF)

#1 Ranked U.S. ITF Under-18 Beach Tennis Player, representing the country in elite ITF official tournaments.

Varsity Soccer Team Captain

Serve as varsity soccer team captain, supporting the head coach in planning practices and game strategy, while mentoring teammates.

TECHNICAL & DESIGN SKILLS

Python, Java, JavaScript, Qiskit, C/C++, Ruby, PHP, MySQL, HTML5, CSS3, Canva, Figma.

LANGUAGES

English	(native)	●●●●●
Portuguese	(native)	●●●●●
Spanish	(proficient)	●●●●●
Mandarin	(basic)	○○●●●