

RAFAEL ALMEIDA

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Initiative-taking and highly disciplined student with a passion for computer science based on education and problem-solving with demonstrated technical, leadership, and community building skills. Researching the pedagogy of computational thinking, inspired by the seminal work of Wing (2006).

EDUCATION

2019/09- Current High School

Academy for Information Technology, Scotch Plains, NJ

- Coding Club President
- National Honor Society
- Junior Student of the Month of November
- [Thrive Scholars Scholar](#)
- Coding Club Community Outreach Officer
- Future Business Leaders of America Competitor
- SAT Score 1560 (770 EBRW, 790 Math)
- Career and Technical Education Ambassador
- [Golden Door Scholarship Scholar](#)

ACTIVITIES

AiGoLearning Teen President of Technology

- 2022/01-Present Lead a team of 3 to develop [AiGoCode](#), teaching competitive coding to children
- Developed AiGoCode Bot, a Discord bot that interfaces with the website
- Lead the AiGoProjects initiative, helping the 16 members bring their ideas to life

AiGoLearning Teaching Quality Officer

- 2021/07-2022/01 Lead a team of 3, creating the Teaching Quality Department
- Developed Scheduling Bot, a Discord bot used by ~220 new teachers
- Developed an algorithm to quantify teacher quality
- Helped 7 teachers with 1-on-1s and dozens of others with workshops
- Founded the STAR Teacher program, providing more support to talented teachers

AiGoLearning Python Teacher

- 2020/12-Present Teacher of the first week of March 2021
- Teaching for ~120 hours in 80 lessons and ~20 students
- Volunteered to serve 5 demo lessons and 2 AiGoLearning FutureHacks workshops

Coding Club Member

- 2019-Present As president, connecting members with AiGoLearning, making the club be what I wish it was by bringing in passionate members and staying active on projects
- As community outreach, connecting members with AiGoLearning, strengthening the community by creating an interactive Discord server with a bot I developed
- As member, completed all the bi-weekly challenges, created an extensive portfolio of projects

National Honor Society

- 2022/05-Present AP Computer Science Principles tutor, tutoring for 5 hours
- HL Physics tutor, tutoring for 7 hours

HONORS & AWARDS

2022/03 2022 FBLA State Champion

1st place NJ Coding & Programming Competition with [MG Tourism](#)

2022/02 United States of America Computing Olympiad

Silver division

2022/10 Thrive Scholars Scholar Highlight

6 Scholars were [highlighted](#) from ~300 by their respective College Access Managers

2022/09 Columbia Engineering Experience CE²

Columbia University fly-in Program

2022/10 Brandeis SEED

Brandeis University fly-in Program

2022/07 AP Scholar Award

Scored a 3 or higher in at least 3 AP tests

2022 National Hispanic Recognition Program

Recognition for excellence in academic achievement

2019-2022 High Honor Roll

All grades 90+ for my 9th, 10th, 11th, and first marking period of 12th year



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[LinkedIn](#)

[Blogfolio](#)

[GitHub](#)

[AiGoLearning](#)

CERTIFICATIONS

2022/09 [AiGoLearning 245 hours of Volunteering](#)

2022/06 [Java Foundations](#)

2020/01 [IC3 Digital Literacy](#)

2020/06 [MS Office Specialist](#)

CLASSES AND LATEST GRADES

100/4	AP Capstone Seminar & Research
98/5	AP Computer Science A
100	AP Computer Science Principles
98	AP Statistics
98	Advanced Software Development
96	Bioinformatics
92	Computer Applications in Business
96	Database Development
100	Project Management
100	Web Design

LANGUAGES

Native Portuguese
Bilingual English
Working Spanish

SKILLS

Discord.py	Django
Google APIs	Next.js
SQL	Java