RAFAEL ALMEIDA

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Elizabeth, NJ
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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. Currently researching the pedagogy of computational thinking, inspired by the seminal work of Wing (2006), searching for insights in better ways to teach coding.

[LinkedIn]()	*[Blogfolio]()*
[GitHub]()	*[AiGoLearning]()*

CERTIFICATIONS

2022/09	*[245 Hours of Volunteering]()*
2022/06	*[Java Foundations]()*
2020/01	*[IC3 Digital Literacy]()*
2020/06	*[MS Office Specialist]()*
2022/08	*[Django Camp]()*
2020/12	*[Python Crash Course]()*

EDUCATION

2019/09-Current

High School
Academy for Information Technology, Scotch Plains, NJ

- Coding Club President
- 96.378/100 GPA
- National Honor Society
- Junior Student of the Month of November
- Future Business Leaders of America Competitor
- 1560 (770 EBRW, 790 Math) SAT Score
- Career and Technical Education Ambassador
- *[Thrive Scholars]()* Scholar
- *[Golden Door Scholarship]()* Scholar

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

ACTIVITIES

2022/01-Present

AiGoLearning President of Technology *visit [AiGoLearning]()*
- 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 by providing monetary and hardware resources

2021/07-2022/01

AiGoLearning Teaching Quality Officer
- Led a team of 3, creating the Teaching Quality Department
- Developed Scheduling Bot, a Discord bot used by just over 220 new teachers and helped schedule evaluations for nearly 70 new teachers.
- Developed an algorithm to quantify teacher quality
- Helped 7 teachers improve through 1-on-1s and dozens of others with workshops
- Founded the STAR Teacher program, providing more support to talented teachers

2020/12-Present

AiGoLearning Python Teacher
- Teacher of the first week of March 2021 out of around 300 teachers.
- Teaching Python for just over 120 hours in 80 lessons and nearly 60 students
- Volunteered to serve 5 demo lessons and 2 AiGoLearning FutureHacks workshops

2019-Present

Coding Club
- 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

2022/05-Present

National Honor Society
- AP Computer Science Principles tutor, tutoring for 5 hours
- HL Physics tutor, tutoring for 7 hours

LANGUAGES

Native Portuguese
Bilingual English
Working Spanish

SKILLS

- Python, Java, JavaScript, HTML/CSS
- Frameworks like Next.js, Discord.py, Django
- Tools like Visual Studio Code, Linux, Unix command line
- Web server tech like Apache2, PM2
- Databases like SQLite, Firestore, MongoDB, Prisma
- APIs like Google Sheets, Classroom

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

2022/09-2022/10

Columbia Engineering Experience CE^2 & Brandeis SEED
Columbia University & 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