

# Tahasin Shadat

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## EDUCATION

### Brooklyn Technical High School

June 2024 | New York, NY

Mechatronics & Robotics Major | GPA: 4.0/4.0

- **Relevant Coursework:** AP Computer Science Principles Extended (Python & Java), Algebra 2, Pre-Calculus, PLTW Digital Electronics, Robotics I & II
- **Clubs & Organizations:** TechCodes (Member), Finance Club (Member), Aero-Mechanical Engineering Design Club (President), National Honors Society, Outreach (Volunteering), Paw Patrol (Volunteering), Competitive Programming (Member), CodeWizards (President)
- **Awards & Achievements:** Top 10 in Citywide Hackathon, Honor Role (9th - 11th grade)

## SKILLS

**Programming** (JavaScript, Python, Java, HTML, CSS, C, C++, SQL)

**Technologies** (Git/GitHub, Microsoft/Google Suite, Firebase/Firestore)

## EXPERIENCE

### Freelance, Tutor

Jan 2018 - Jun 2022 | New York, NY

- Tutored and mentored underserved elementary and middle school students on subjects such as common core ELA and math, social studies, and science
- Prepped students for the NY state exams and assisted students with homework and classwork
- Students showed improvement and increased independence throughout the years

## ACTIVITIES

### Google Code Next, Student

Sept 2022 - Present | New York, NY

- Mentored, taught, and led by a multitude of Google software engineers and dedicated teachers
- Accumulated skills in intermediate python through a variety of completed projects, lessons, and courses

### Code Nation, Fellowship

Sept 2022 - Present | New York, NY

- Learned advanced JavaScript, HTML, and CSS from professional American Express and Code Nation software engineers
- Created a multitude of coding projects to learn more in depth about web development through API's and more efficient code

### JPMorgan Youth Talent Network, Member

Aug 2022 - Present | NY & NJ

- Mentored by JPMorgan Chase software engineers
- Participated in GenerationTech event, creating a project addressing a UN sustainable development goal through team collaboration, as the lead developer and project manager

### Yokai Technologies, Full Stack Developer

Aug 2022 - Present | New York, NY

- Create websites that are helpful to students, adults, or the general public by honing our coding skills and working in organized teams
- Collaborate to create lessons to teach programming skills to other members

### All Star Code, Student

Jun 2022 - Aug 2022 | New York, NY

- Learned JavaScript, HTML, CSS, and Firebase, creating multiple web and game apps both individually and in teams
- Accumulated skills such as time management, project organization, team building, communication, and leadership
- Networked with professionals in worldwide companies like Amazon, Home Depot, Spotify, NBA, MLB, Netflix, and JPMorgan Chase

### Manhattan College Mechanical Engineering Summer Institute, Participant

Jul 2022 | Riverdale, NY

- Experimented, learned, and observed the real life uses of AI and software engineering
- Used software to simulate engineering problems and solutions and won 1st place in an aerospace engineering contest

## PROJECTS

### Fitness101, JavaScript, HTML, CSS [🔗](#)

- Tackles the problem of obesity by giving personalized workout schedules, food suggestions, and proper form for exercises by using API manipulation
- Worked in a group of 4 and acted as the project manager, lead backend-developer and front-end assistant

### Type Racer Clone, Python [🔗](#)

- Replica Type Racer Game that measures typing speed displaying a graphic of a car that progressively moves forward (showing the users progress) with other features such as typing accuracy and car customization
- Used this project to be more efficient at procedural abstraction and eliminating redundancy