

# Kareem DaCosta

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## EDUCATION

### Columbia University School of Engineering and Applied Sciences

*B.S. in Computer Science* | **GPA: 4.16/4.0**

September 2021 - Present (Anticipated May 2025)

- Relevant Coursework: Advanced Programming, Discrete Mathematics, Fundamentals of Computer Systems, Computational Linear Algebra

### Columbia University College Edge Program (Dual Degree in High School)

Summer 2019 - Summer 2020

- **GPA: 4.16/4.0**
- Relevant Coursework: Essential Data Structures, Data Structures in Java

## SKILLS

- Programming Languages: Java, Python, C, HTML, CSS, JavaScript, React.js, Node.js/Express.js, Parse
- Environments Used: Visual Studio Code, Vim, Unix, Spyder, Jupyter Notebook, Eclipse
- Languages: Spanish, Basic knowledge of Arabic

## EXPERIENCE

### Sustainable Sister

New York, NY

*Software Engineer*

September 2022 - Present

- Develop image recognition neural network using Tensorflow for personalized UX
- Create full front-end/back-end of website through react.js, node.js/express.js
- Attend weekly stand-up meeting to discuss progress/problems
- Collaborate with UX designers/marketing team to implement new changes to the website

### Columbia University

New York, NY

*Resident Advisor*

August 2022 - Present

- Dedicate 20 hours a week to connect with residents, create floor programming, provide guidance, mentorship, and support
- Supervise 42 residents from multiple special interest groups

### Meta

Menlo Park, CA

*Meta University Software Engineering Intern*

May 2022 - August 2022

- Created a [website](#) in 6 weeks using a React frontend, a Node/Express backend, and a Parse database to match users with Dungeons and Dragons parties meeting their interests. Code available on [Github](#)
- Worked with manager on internal SEVs due to completing website ahead of an aggressively planned schedule
- Shadowed Software Engineer and met with multiple engineers, data scientists, and managers
- Earned rating of [absolute confidence hire](#) (highest rating)

### We Love Coding

New York, NY

*President (Head of Organization)*

March 2020 - May 2021

*Volunteer Teacher*

September 2018 - May 2021

Student-created and run volunteer group to teach coding to disadvantaged middle-schoolers.

- Ran program, taught coding in-person and online. Over 100 hours volunteered.
- Solo launched and implemented switch to online learning during pandemic
- Expanded program while online | tripled to 16 students, doubled to 13 teachers
- Managed communications with parents and volunteering locations such as community centers and middle schools; organized online classes, and provided weekly updates
- Managed internal organization including recruiting additional teachers, arranging weekly schedules, and dealing with last minute changes | undertook succession planning

### Misr Public Library

Cairo, Egypt

*Coding Videos Creator*

June 2020 - August 2020

- Created introductory coding videos for the Misr Public Library (Egypt) for primary-school kids.

## Projects

### Personal Website

September 2022

- Built a personal [website](#) in React and hosted with Vercel. Code available on [Github](#)

### Dungeon Delver

- [Website](#) built during Meta University to help users find Dungeons and Dragons parties that meet their interests. View [Github](#).
- Features custom-built live and paginated chat and notifications systems created with Sockets API | a paginated, ranked, dynamically fetched party query system | background thread prefetching | responsive web design | custom party images | persistent login | recoil state management.

### HackMIT → Hackathon Sponsored by MIT

September 2021

- Part of a four-person team from Columbia University that coded and deployed, using HTML, CSS, and JavaScript, a [website](#) that encourages electronics recycling