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   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
- Tools Used: Visual Studio Code, Vim, Spyder, Jupyter Notebook, Eclipse, Anylogic
- Languages: Spanish, Basic knowledge of Arabic

EXPERIENCE

Sustainable Sister   **New York, NY**
Lead 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
- Underwent 3 weeks of training in HTML/CSS/JavaScript, React, and Node/Express
- 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]()
- Implemented custom-built live/paginated chat and notifications systems created with Sockets API | paginated, ranked, dynamically fetched party query system | background thread prefetching | responsive web design | custom images | persistent login | recoil state management
- Received absolute confidence hire (highest rating) for productivity, work quality, communication, initiative, and learning speed
- Worked with manager on internal SEVs due to completing website ahead of an aggressively planned schedule
- Shadowed Software Engineer and met with Frontend Engineers, a Product Manager, Data Scientist, Data Engineer, Systems Engineer, Senior Tech Lead, and Manager.

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 (http://kareemdacosta.vercel.app). Code available on [Github]()

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