Kareem DaCosta

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EDUCATION

Columbia University School of Engineering and Applied Sciences

B.S. in Computer Science | ***GPA:*** *4.11/4.0* September 2021 - Present (Anticipated May 2025)

- Relevant Coursework: Advanced Programming, Artificial Intelligence, Discrete Mathematics, Fundamentals of Computer Systems, Computational Linear Algebra
- Received Dean's List each semester
- Resident Advisor

Columbia University College Edge Program (Dual Degree in High School) | ***GPA:*** *4.16/4.0* Summer 2019 - Summer 2020

- Relevant Coursework: Essential Data Structures, Data Structures in Java, Intro to Computing for Engineers

SKILLS

- Programming Languages: JavaScript, Python, Java, C, C++, HTML, CSS, PostgreSQL
- Libraries/Tools: React.js, Node.js/Express.js, GraphQL, Relay, Redux, Django, Numpy, Pandas, Tensorflow, Scrapy, Selenium, Git, Mercurial
- Languages: English (Preferred), Spanish, Basic knowledge of Arabic

EXPERIENCE

Meta **New York, NY**

Software Engineering Intern May 2023 - Present

- Designed and implemented a restructuring of Instagram Web Settings that improved performance and increased flexibility of underlying architecture three weeks ahead of schedule using React, Relay, and GraphQL.
- Redesigned core Instagram components and ensured a11y compatibility
- Provided weekly updates and led implementation strategy meetings with team members to ensure code quality.
- Developed pages for managing tagged posts in an individually scoped-out project and boosted performance using React, Relay, GraphQL, and Django.

SSQRD **New York, NY**

Lead Software Engineer September 2022 - May 2023

- Designed and developed a web scraper using Scrapy which resulted in a 3800% speedup and enhanced system reliability.
- Successfully built a full-stack website utilizing technologies such as React.js, Node.js, Express.js, and PostgreSQL.
- Participated in weekly Agile stand-up meetings to align on progress and strategize for the subsequent week's tasks.
- Conducted 1:1 mentoring sessions to explain React concepts, pair-program, and recommended sources for further learning.
- Delivered a presentation to a group of 30 computer science students detailing project outcomes and authored a comprehensive report documenting accomplishments.

Meta **Menlo Park, CA**

Meta University Software Engineering Intern May 2022 - August 2022

- Learned HTML/CSS/JavaScript, React, and Node/Express in 3 weeks by cloning popular websites such as Netflix and Twitter
- Created a website - Dungeon Delver - in 6 weeks using a React frontend, a Node/Express backend, and a Parse database.
- Worked with manager on internal outages after completing website ahead of an aggressive schedule
- Earned rating of absolute confidence hire along with return offer as recognition for work that greatly exceeded expectations

We Love Coding **New York, NY**

President and Volunteer Teacher September 2018 - May 2021

- Led student-founded volunteer group committed to teaching coding to underserved middle school students, contributing over 100 volunteer hours.
- Solely initiated and managed a transition to online learning during the pandemic, resulting in a tripling of students and doubling of 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 teachers, arranging weekly schedules, and 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

Numpy-Only Neural Network April 2023

- Created a neural network using only numpy and python that achieved over 85% accuracy on the MNIST dataset. View Github.

Personal Website September 2022

- Built a personal website in React and hosted with Vercel. Code available on Github

Dungeon Delver

- User-matching website built during Meta University that aligns users with compatible Dungeons and Dragons parties. Github.
- Features custom-built live and paginated chat and notifications system, a paginated, ranked, dynamically fetched party query system, background thread prefetching, responsive web design, custom images, persistent login using OAuth, and 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.