

ANINDA HALDER

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EDUCATION

The City College of New York

New York, NY

Bachelor of Engineering in Computer Engineering

June 2021

Honors: Dean's List 2019, Dean's List 2020

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Java, Some exp: C++, C, Swift, HTML, CSS.

Frameworks/Libraries: NodeJS, Express, React, Heroku, Flask, XCode.

Databases: SQL, NoSQL, MongoDB, MySQL, Some exp: Postgres.

Other Technologies: Docker, Git, Arch Linux, AWS (EC2, S3), Postman, Figma, Mocha and Chai.

EXPERIENCE

WorkSchool | Full-stack Software Developer Intern

July 2020 – May 2021

- Contributed to Front-end React build of an online course recommendation platform.
- Developed features such as reset password functionality and two-factor authentication.
- Integrated timeout functions that expire any reset password JWT token or, authentication link after specific periods of time allowing users to manage their personal account information and passwords more securely.
- Built a mailing service that verifies user emails upon sign up and efficiently sends promotional and security related emails to users.
- Collaborated with both back-end and front-end developers to successfully deploy the production Node.js containers using Docker Via ECR with AWS CLI running tasks.
- Worked with senior engineers to regularly maintain relevant micro-services and perform code reviews.
- Engaged with company executives and project managers to discuss roadmaps and offered technical insights.
- Utilized: Next.js, JavaScript, Node.js, Docker, AWS CLI, Node-mailer, Google Cloud, OAuth

PROJECTS

Safe Maps | Backend Developer

September 2019 – June 2020

- Built a web mapping platform that generates statistically safer routes using NYC crime datasets.
- Formulated a design analysis to evaluate the endpoints and models necessary to complete an MVP.
- Developed an algorithm in collaboration with a data engineer to find areas with high crime saturation.
- Integrated a highly accurate routing service to efficiently find safer routes that avoids high crime clusters.
- Sanitized and normalized NYC historic crime dataset to optimize the path finding algorithm.
- Incorporated a react native Google Maps package to display route paths with a clean map UI.
- Utilized: React Native, Python, Typescript, NodeJS, MySQL, Docker, Google Maps, HERE Maps routing API

Career Pitch | Lead Frontend Developer

August 2020 – December 2020

- Led a team of three to create a virtual web platform where job applicants applying to a specific role can share their resume, cover letter, and personalized Elevator pitch videos with the recruiters.
- Developed the Front-end website by using React, HTML, CSS, Bootstrap, and integrated features such as an interactive video player and a pdf reader allowing Recruiters to view the submitted materials on the platform.
- Worked with the Back-end engineer to test and deploy the webserver on AWS EC2 instance.
- Utilized: React, React Bootstrap, Python Flask, AWS, Firebase, Postgres, Node.

Image Processing | C++ Programmer

October 2019 – December 2019

- Implemented Various Point Operations, Arithmetic Operations, Neighborhood operations, Fourier Transformations, Digital Halftoning, Filtering, Image Sampling and Resampling, Image reconstruction, and Aliasing using C++.