

LAKSH CHAKRABORTY

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EDUCATION

New York University - Courant Institute of Mathematical Sciences

Expected May 2024

B.A. Computer Science; GPA: 3.854/4.0

New York, NY

- Presidential Honors Scholar in the College of Arts and Science.
- Dean's List, 2020-2021, 2021-2022, 2022-2023.
- **Coursework:** Software Development, Algorithms, Web Development, Programming Languages, Data Structures, Computer Systems Organization, Linear Algebra, Discrete Math, Calculus 1, 2 & 3, Computer Graphics.

TECHNICAL SKILLS

Programming Languages: Swift, C++, Typescript, JavaScript, Haskell, C, Python, Java, Rust, CSS, GLSL.

Frameworks/Databases: UIKit, SwiftUI, React, NextJS, Vue, Angular, Node.js, SQLite, MongoDB, PostgreSQL, MySQL.

Other tools: Regex, Tailwind, Git, PyTorch, Github, Vercel, Heroku, Curl, Postman, Linux utilities.

WORK EXPERIENCE

iCreditWorks

May 2023 – Aug 2023

iOS Development Intern

Iselin, NJ

- Oversaw the development of the iCW Experience iOS app which was used to showcase the product's functionality on the main stage at the Dykema DSO conference, which had over 2000 attendees.
- Led the team that was tasked with localizing the whole main iCreditWorks app—over 100 screens—into Spanish, and set the codebase up to be localized into many other languages.
- Initiated the modernization and refactoring a very large codebase, with over 175,000 lines of Swift code.

NYU University Learning Center

Sep 2021 – Present

Learning Assistant

New York, NY

- Tutor and express complex ideas to over 700 students in Data Structures, Algorithms, Computer Systems, Web Development, and many more Computer Science and Math classes.
- Conduct over 20 Academic Skills Workshops with the aim to help students become better self-learners.
- Develop ULC Schedule Maker, to automate tedious tasks with the goal of greater efficiency.

PROJECTS

University Learning Center Schedule Maker | [GitHub](#)

Fall 2022 - Fall 2023

- Steered the development of an internal tool to help streamline the creation of the schedule for every subject, used on the ULC website (<https://nyu.edu/ulc>).
- Reduced time taken to update website from over 4 full working days to just over 4 hours.
- Oversaw both architectural design, and UI design.
- Collaborated in a team of three to host app in the cloud, using Heroku.
- Source: <https://github.com/ulcnyu/ulc-schedule-maker-v2>.

TimeLinter | [GitHub](#) | [Demo](#)

Spring 2022

- Developed and tested a web app that allows you to create schedules for a team whose members have differing availability.
- Architected frontend, backend, and database to suit the needs of the project.
- Gathered user stories, created design documents, and worked through the software development cycle.
- Source: <https://github.com/reftonull/timelinter>; Demo: <https://timelinter.herokuapp.com>.