


# Salman Siraj

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## Education

**New York University** | B.S. Computer Science

Sep 2017 - May 2020

- Relevant Coursework: Data Structures/Algorithms, Database, Object Oriented (C++), Data Visualization, Programming Languages, Software Engineering, Operating Systems, Computer Architecture

## Skills

- **Languages:** Python, C++, Swift, Java, SQL, JavaScript
- **Web & Databases:** Flask, Node.js, React, Django, MongoDB, MySQL, DynamoDB
- **Tools and Technologies:** Git, Unit Testing, Agile (Scrum), AWS, Linux, Jenkins, Docker

## Experience

**BNY Mellon** | Incoming Software Engineer

Jul 2020

**Livepin Inc.** | Software Engineering Intern

Jan 2020 - May 2020

- Utilized React/AWS Lambda to deploy analytics feature that helps users track real-time streaming data
- Optimized explicit API calls within components, which led to a 50% reduction in load time of bidirectional requests from AWS Lambda server + API Gateway

**BNY Mellon** Software Engineering Intern

Jun 2019 - Aug 2019

- Deployed a real-time Kibana dashboard and Spring Boot application providing internal database analytics, which is used by 10+ developer teams from several business units
- Implemented REST API endpoints that requests data from VerticaDB, formulates metrics to JSON, and ingests into an Elasticsearch instance

**New York University** | Teaching Assistant

Aug 2018 - Dec 2018

- Conducted weekly recitations for 25-30 students to fortify concepts of Data Structures & Algorithms
- Facilitated discussions around programming best practices and debugging strategies during office hours

**Ouvos Technologies** | Co-Founder & Software Developer

Jan 2016 - Feb 2018

- Developed navigation feature tailored for cyclists using Mapbox API and Python Beautiful Soup module to web scrape bike routes in different cities. iOS App is being tested and used daily with over 250 + users
- Unit tested and implemented user stories in a SCRUM environment, and worked to sync with Android team to keep consistency in design

## Projects

**MeTA** | Github

- Architected virtual Kiosk/MetroCard iOS app with integrated transit location using Google Maps API
- Utilized IBM Watson & CoreML to verify images of turnstile devices and store transactions via RealmDB

**Clothly** | HackNYU 2018 Finalist | Github

- Created a clothing donation iOS app for non profit organizations and donors with a reward system
- Spearheaded the design of a responsive website from POC to MVP for the app using React

**Coursemates** | Github

- Developed full-stack web app which encourages students to post, share, and rank other colleagues notes
- Implemented the back-end service using Flask/MongoDB and Jinja for the front-end