

# BOUBACAR DIALLO

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## EDUCATION

### Macaulay Honors College at Hunter College

Expected Graduation June 2021

B.A Computer Science & Mathematics | Minor: Economics & Arabic

Daedalus Honors Computer Science Scholar

Relevant Coursework: Discrete Mathematics, Data Structures, Algorithms

### Codepath University

Intermediate Software Engineering Technical Interview Bootcamp

Summer 2019

Mobile App Design

Fall 2018

Cybersecurity (sponsored by Facebook)

Fall 2017

### The Bronx High School of Science

June 2017

Regents Diploma Advanced Designation

## SKILLS

Programming Languages Python, Java, C++, Swift

Web Development Javascript, JQuery, HTML & CSS, React, Flask

Software & Tools Git, Node, Firebase Database, Heroku, L<sup>A</sup>T<sub>E</sub>X, Unity Game Engine(C#), iOS

## EXPERIENCE

### *Software Engineering Intern, Google, New York, NY*

June 2019 - August 2019

- Developed a full stack feature for Search
- Wrote unit tests for querying data, rendering the feature, and displaying HTML output

### *Lead Software Developer, 17 Web Dev, Jersey City, NJ*

August 2018 - May 2019

- Developed websites and native applications to provide technological solutions for a diverse range of clientele
- Provided consultation to clients in choosing the best suited frameworks and software stacks for each project
- Re-designed, scaled, and maintained software projects at modern standards for 3-4 active clients per month

### *Discrete Mathematics Teaching Assistant, Hunter College, New York, NY*

August 2018 - May 2019

- Provided tutoring for 4 hours a week to guide students on an individual level to an understanding of essential math knowledge for computer science (graph theory, number theory, probability, combinatorics)
- Evaluated performance by grading assignments and facilitating communication with a 200 student lecture

### *Teaching Assistant, CodeCraft Academy, New York, NY*

December 2016 - September 2017

- Educated students on web development and Javascript programming through a project based curriculum
- Guided 25 high school students through 2-3 website projects per session during weekly class in partnership with Sponsors for Educational Opportunity (SEO)

## PROJECTS

### *Harlem Hub - HarlemHacks First Place Award*

- Designed a Flask web app promoting grassroots organization of events in the Harlem community

### *Tabber - HackRPI Best High School Hack Award*

- Built prototype for a Google Chrome extension with Chrome API allowing users to schedule and manage tabs

## LEADERSHIP & ACTIVITIES

### *Vice President of Technology, Macaulay Business Club, New York, NY*

May 2017 - Present

- Program and test an interactive and user-friendly web interface for a professional advancement club
- Build custom apps for internal data management, including event attendance and member articles

## LANGUAGES

Fulani

Native