

Education

Boston University, B.A. in Computer Science, Minor in Mathematics

Expected May 2022

Coursework: Data Structures & Algorithms, Computer Systems, Probability in Computing, Software Engineering

Honors & Awards: Dean's Honor List (Fall 2018, Spring 2019, Fall 2019, Spring 2020)

Experience

Bluebonnet Data | Data Science Fellow

July 2020 - Present

- Perform analyses and insights of political data for Democratic Congressional Candidate Allen Ellison
- Explore election data on precinct and county levels to help predict win numbers and voter turnout

Microsoft TEALS | Volunteer Teaching Assistant

June 2020 - Present

- Coordinate lab portion of App Development course at Brighton HS
- Teach students to program in MIT App Inventor to solidify understanding of core CS concepts

Hariri Institute | Software Engineer Intern

May 2020 - Present

- Restructuring SBOL, Synthetic Biology Open Language, format processing in Puppeteer, a web-based genetic instruction generation tool
- Created pivot table visualization in JavaScript, PHP, and SQLite allowing admin to track grant spending and implemented respective unit tests in Jest
- Added preprocessing hooks to JavaScript multi-party computation library 'Jiff' to improve memory management

BU Spark! | Software Engineer Fellow

January 2020 - May 2020

- Developed "My Science Guide", a React Native mobile research mentorship platform for Latin American students
- Implemented mentor matching algorithm based on experience and interests and a chat room system with Firebase

Projects

Agriworks | Hack4Impact | agri-works.org

September 2019 - Present

- Developing full-stack web platform for data scientists and policymakers in India to analyze agricultural datasets
- Building application using VueJS, Flask, MongoDB

SpotMe | Co-founder

August 2020 - Present

- Building a mobile platform for users to globally trade money, improving digital transactions in India/Pakistan
- Leading development of application with React Native / Redux front-end along with the Node.js / Express server

FakeNews Extension | BostonHacks Hackathon

December 2019

- Created a Google Chrome Extension in Python and JavaScript to evaluate authenticity of a news article by using a Google Cloud Classification model and a PageRank algorithm

Leadership

Global App Initiative | President

January 2019 - Present

- Oversee organization, recruit non-profit projects, host bi-weekly coding workshops open to all BU students looking to learn mobile app development

Skills

Programming: Python | JavaScript | Java | HTML5/CSS3 | MongoDB

Frameworks / Tools: Flask | NodeJS | VueJS | React / React Native | Express | jQuery