

Ben Musoke-Lubega

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Education

Princeton University

Princeton, NJ

BACHELOR OF SCIENCE IN ENGINEERING IN COMPUTER SCIENCE

September 2016 - June 2020

- **Relevant Courses:** Computer Graphics, Information Security, Advanced Programming Techniques, Algorithms, Systems Programming, Internet Economics, Entrepreneurship Foundations, Microeconomics

Skills

Languages

Java, Swift, JavaScript, Python, C, SQL, HTML & CSS, SASS

Technologies

Git, XCode, UIKit, Heroku, PostgreSQL, Postman, LaTeX

Experience

Handshake

San Francisco, CA

SOFTWARE ENGINEER INTERN - MOBILE TEAM

June 2019 - Present

- Led team's accessibility audit, prioritized features to be implemented, and created team's best practices for accessibility testing, and development
- Implemented support for VoiceOver and InvertColors to make our iOS app more accessible to users who are blind or have low vision
- Migrated iOS app's authentication tokens from UserDefaults to Keychain without ending current user sessions, mitigating the app's vulnerabilities
- Practiced test driven development (TDD), handled bug fixes, performed code reviews, refactored Objective-C code to Swift, and wrote software using continuous integration (CI) to support an agile cross-functional team

AI & Education Research

Princeton, NJ

JUNIOR INDEPENDENT WORK

February 2019 - May 2019

- Developed model to determine the student controllable factors which best predicted their academic performance with 81% accuracy by using Scikit-learn to apply logistic regression, support-vector machines, decision trees, and random forest classifiers to multiple datasets

PrincetonEats Project

Princeton, NJ

PRODUCT LEAD & FULL STACK DEVELOPER

October 2018 - January 2019

- Built and designed local restaurant directory service and crowd-source review platform for Princeton Community using Heroku, PostgreSQL, Java, and JavaScript
- Prioritized product's focus on reviews and ratings after conducting user research determining these features were most useful to 50% of our users

Engineering Projects in Community Service

Trenton, NJ

COMPUTER SCIENCE INSTRUCTOR

September 2018 - January 2019

- Created and instructed block-programming curriculum for middle-school students from underprivileged communities on weekly basis to learn computer science fundamentals

Leadership

Princeton Undergraduate Student Government

Princeton, NJ

CLASS SECRETARY

September 2016 - June 2019

- Organized and designed large scale gear distributions, study breaks, dances, and alumni/networking events for the 1300+ members of the class, throughout every semester since having been elected freshman fall
- Increased turnout to Major Declaration Day 2018 by 300+ students, double the turnout of the years prior, by incorporating food trucks, faculty welcomes, free gear items and fun activities into the event
- Facilitated communications between University administration, faculty, staff and student body, ensuring the team's work reflected identity of the class

Pace Center for Civic Engagement

Princeton, NJ

COMMUNITY ACTION FELLOW

March 2018 - December 2018

- Expanded week-long community service immersion programs in Newark, NJ to accommodate multiple groups of 100+ students, 25% more students than in previous years, by developing new partnerships with 30+ community partners .
- Reduced logistical complexity of managing 60+ drivers and their rental cars by restructuring the process of driver certification, rental car pickup/drop-off and car incident handling

McGraw Center for Teaching & Learning

Princeton, NJ

DIGITAL LEARNING LAB SPECIALIST

September 2017 - June 2018

- Led workshops and created tutorials for fellow students on creating personal websites and portfolios using GitHub Pages, Jekyll and SASS
- Instructed 20+ students per month on introductory computer science assignments, elementary Java usage, IDE basics, and clean coding practices