Ben Musoke-Lubega

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EDUCATION

Princeton University, Princeton NJ | June 2020
B.S.E. in Computer Science; Intended Certificates in Engineering Management & African American Studies
Relevant Coursework: Information Security, Algorithms & Data Structures, Contemporary Logic Design, Computational Reasoning, Programming Systems, Economics of the Internet, Entrepreneurship Foundations

EXPERIENCE

Community Action Fellow   March 2018 - Present
Pace Center for Civic Engagement | Princeton, NJ
- Expanded week-long 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

Digital Learning Lab Specialist   September 2017 - Present
McGraw Center for Teaching & Learning | Princeton, NJ
- 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

Class Secretary   September 2016 - Present
Undergraduate Student Government | Princeton, NJ
- 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
- Oversaw class government email and ensured communications with University administration, faculty, staff and student body reflect identity of the class
- Interviewed & hired Program Coordinators, University staff who serve as advisors to undergraduate organizations

Head of Volunteers   February 2018 - April 2018
Community Service Interclub Council | Princeton, NJ
- Amassed 50% more volunteers than years prior and directly managed these 150 volunteers to run TruckFest's 19 food trucks and stations, generating over $10,000 for local hunger relief organizations

Engineering Team Intern   January 2018
SmartAsset | New York, NY
- Validated SmartAsset's website by developing analytic program which scanned application logs, created canonical list of urls accessed, and verified each link

PROJECTS

Princeton Eats | *Javascript, React*
- Recommendation system and guide of local restaurants for members of the Princeton community

bprinsta.github.io | *Javascript, HTML & CSS*
- Personal website and blog hosted on GitHub Pages

Seam Carver | *Java*
- *Seam*-carving algorithm to create an application which lets users resize images in a content-aware manner, preserving an image's most prominent features such as aspect ratio & object placement

Brick Breaker | *Javascript, HTML & CSS*
- Reproduction of popular game, Brick Breaker, using Phaser game development framework

SKILLS

Programming Languages: Java, Python, R, C, Javascript, HTML & CSS
Technologies: SQL, Git, Jekyll, React