Lizette Carpenter

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Education

B.A. in Computer Science &
B.A. in Statistical and Data Science
Smith College
Expected May 2020 Northampton, MA

Experience

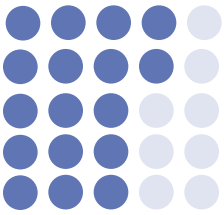
Undergraduate Research Fellow
Smith College
May 2019 – August 2019
Built an open-source python package that creates Aligned Hierarchies for music-based data streams.
Reference: Katherine M. Kinnaird – kkinnaird@smith.edu

ITS Class & Event Support Student Manager
Smith College
February 2019 – Present
Oversees Smith College's Computer Resource Centers by monitoring usage, troubleshooting hardware and software problems and setting up media equipment in classrooms.
Reference: Moses Diaz – mdiaz@smith.edu

LEGO Artist Business Web Development Intern
Bippity Bricks Company
May 2018 – August 2018
Engineered and redesigned company's website, researched the tour logistics for artist Alice Finch's large-scale Hogwarts LEGO model and developed a social media presence for the company.
Reference: Alice Finch – alice@bippitybricks.com

Technical Skills

Python
R
SQL
JavaScript
Java



Projects

Aligned Hierarchies Python Package, 2019
Python package builds aligned hierarchies of music-based data streams. Takes in a digital-score and outputs a representation of its repeated structures.

emetricsrw, 2019
R package serves to enhance accessibility and learning in the form of a companion to Chapter 5 of Introduction to Econometrics by James Stock and Mark Watson.

FiveThirtyEight Cabinet Turnover Data, 2019
Contributed to the next version of the #fivethirtyeight #rstats package.

Leadership

Class of 2020 Vice President
Smith College
August '18 – May '19

Member of Organizations Committee & **Elections & Appointment Committee**
Smith College Student Government
August '18 – May '19

Girls Who Code Representative
Smithies in Computer Science
May '18 – May '19

Head of New Students
Smith College Residence Life
May '17 - May '18

Coursework

Computer Science:
Introduction to Computer Science Through Programming, Interactive Web Documents, Data Structures, Microprocessor & Assembly, Digital Circuits, Operating Systems, Algorithms, Calculus, Discrete Mathematics, Computer Vision & Image Processing
Statistics/Data Science:
Linear Algebra, Introduction to Data Science, Communicating with Data, Statistics for Undergraduate Students, Multiple Regression, Advanced Programming in R, Machine Learning