

# Emily Lau

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## EDUCATION

### Rutgers University

[2016 to May 2020 (expected)]

- B.S. in Computer Science
- Minor in Creative Writing
- GPA: 3.937
- Honors College member

## COURSEWORK

### Computer Science

- Data Structures
- Computer Architecture
- Systems Programming
- Principles of Data & Information Management
- Design & Analysis of Algorithms
- Internet Technology
- Artificial Intelligence (Graduate)
- Natural Language Processing (Graduate)

## SKILLS

### Programming

- Python
- C
- Java

### Web Development

- HTML, CSS, Javascript
- Flask
- Angular2

### Databases

- MySQL

## AWARDS & ACHIEVEMENTS

- National Merit Scholarship Finalist (2016)
- Diploma from International Baccalaureate Diploma Programme (2016)

## EXPERIENCE

### Ebook Development Intern, Penguin Random House, New York, New York [June 2019 to August 2019]

- Developed ebook production tools using Python and AppleScript in Mac environment using Git and Jira for version control and issue/bug tracking
- Assisted with testing and documentation of production and internal tools
- Wrote Python script to bring **2,000** ebook files up to current EPUB file specification

### iLab Manager, Rutgers LCSR, Piscataway, New Jersey

[September 2019 to present]

Previously *iLab Assistant* [September 2018 - May 2019]

- Manage student community space and **10** iLab Assistants
- Provide walk-in tutoring for computer science coursework, including Data Structures and Computer Architecture
- Assist students with accessing and using the Instructional Lab, a set of **31** Linux machines

### Director of Marketing, HackRU, Rutgers University [March 2019 - present]

Previously *Organizer, Marketing and Volunteer & Hacker Experience teams* [September 2018 - March 2019]

- Lead team of **7** Marketing organizers to coordinate and execute marketing and communication initiatives for a hackathon hosting **800+** participants each semester
- Develop Mailchimp campaigns reaching an audience of **2,000**

## PROJECTS

### emily-writes-poems (MERN, Python) [February 2020 to current]

- Web application displaying text and statistics of my poetry. Using natural language processing to further analyze poem content and structure.

### MyAlbumsApp (Angular, Python/Flask, MySQL) [January 2019 to current]

- Web application that keeps track of the albums I've listened to each year. Uses Spotify, Last.fm, and Wikidata APIs to gather information about albums and artists.

### BarConsumablePatron (Angular, Python/Flask, MySQL)

[September 2018 to November 2018]

- Web application working with simulated random data on bars, consumables, and patrons. Partner project for Principles of Data and Information Management class.