

Emily Lau

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EDUCATION

Rutgers University—New Brunswick

[2016 to May 2020 (expected)]

B.S. in Computer Science

Minor: Creative Writing

GPA: 3.914

Member of Honors College

COURSEWORK

Computer Science

Data Structures (CS112), Computer Architecture (CS211), Systems Programming (CS214), Principles of Data and Information Management (CS336), Design and Analysis of Algorithms (CS344), Principles of Programming Languages (CS314), Internet Technology (CS352)

SKILLS

Programming

C, Java, Python

Web Development

HTML, CSS, Javascript, Flask

Databases

MySQL, SQL

AWARDS &

ACHIEVEMENTS

- National Merit Scholarship Finalist (2016)

- Diploma from International Baccalaureate Diploma Programme (2016)

EXPERIENCE

iLab Assistant, Rutgers Laboratory for Computer Science Research (LCSR), Piscataway, New Jersey

[September 2018 to present]

- Provide walk-in tutoring for Rutgers undergraduate computer science coursework, including Data Structures and Computer Architecture
- Assist computer science students with accessing and using iLab machines

Organizer, HackRU, Rutgers University—New Brunswick

[February 2018 to April 2018, July 2018 to October 2018, January 2019 to present]

- HackRU is a biannual 24-hour hackathon hosting 600+ participants
- **Marketing & Design:** produced Medium articles to advertise HackRU to prospective hackers, ran HackRU's Instagram account during the event
- **Volunteer & Hacker Experience:** recruited and trained volunteers and mentors

PROJECTS

MyAlbumsApp (Flask, MySQL) [January 2019 to present]

- Web application with Python/Flask/MySQL backend that keeps track of the albums I've listened to each year. Will use Spotify, Last.fm, and Wikipedia APIs to gather more information about albums and artists.

BarConsumablePatron (Angular, Flask, MySQL)

[September 2018 to November 2018]

- Web application with Python/Flask/MySQL backend, Angular frontend. Database holds simulated random data on bars, consumables, and patrons. Partner project for CS336 class.

Netfileserver (C) [March 2018 to April 2018]

- Designed file commands based on the Unix file system commands (open, close, read, and write) used to communicate with a remote file server. Used sockets, threads, and mutexes. Partner project for CS214 class.