Emily Lau

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EDUCATION

Rutgers University—New Brunswick

[2016 to May 2020 (expected)]
B.S. in Computer Science
Minor in Creative Writing
GPA: 3.914
Member of Honors College

COURSEWORK

Computer Science

- Data Structures
- Computer Architecture
- Systems Programming
- Principles of Data and Information Management
- Design and Analysis of Algorithms
- Principles of Programming Languages
- Internet Technology

SKILLS

Programming

C, Java, Python

Web Development

HTML, CSS, Javascript, Flask, Angular2

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
- Will take on Manager position starting in Fall 2019

Director of Marketing, **HackRU**, Rutgers University—New Brunswick [March 2019 - present]

- HackRU is a biannual 24-hour hackathon hosting **600+** participants each semester
- Lead team of 10 Marketing organizers to coordinate and execute HackRU marketing and communication initiatives

Organizer, **HackRU**, Rutgers University—New Brunswick

[February 2018 to March 2019]
- **Marketing & Design**: managed HackRU social media (Facebook, Twitter, Instagram) and responded to email queries, produced Medium articles to advertise HackRU
- **Volunteer & Hacker Experience**: recruited and trained volunteers and mentors

Intern, **Township of Manalapan**, Manalapan, New Jersey

[Summers 2014-2015]
- Published events on Township website and email newsletters to increase awareness of community events
- Informed residents about Shop Manalapan 1st, an initiative to increase community engagement with local businesses

PROJECTS

MyAlbumsApp (*Angular*, *Python/Flask, MySQL*) [January 2019 to present]

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

DNS System (*Python*) [February 2019 to April 2019]

- Client-server DNS system with root server authentication of top-level domain server using HMAC with shared secret keys. Partner project for Internet Technology class.