

# Daniel T. Yang

SOFTWARE ENGINEER

6 Brunelleschi Court, Monmouth Junction, NJ, 08852

☎ (+1) 609-865-4319 | ✉ yang.daniel2000@gmail.com | 🌐 www.dantyang.com | 📱 dantyang | 📺 dantyang

## Education

### Rutgers University-New Brunswick

New Brunswick

B.S. IN COMPUTER SCIENCE AND MATH, MINOR IN ECONOMICS

Sept. 2018 May 2022

#### • Courses Taken:

- **CS:** Intro to Computer Science, **Data Structures**, Computer Architecture, Discrete Structures, Systems Programming
- **Math:** Calculus I-IV, Intro to Linear Algebra, **Intro to Math Reasoning**, Math Theory and Probability

## Skills

**Programming Languages** Python, Java, PHP, HTML, C, Assembly

**Frameworks** Flask, Django, Laravel, React, Redux, Bootstrap

**Tools** Git, Linux, Bash, MySQL, MongoDB, AWS, Heroku, Vim

## Work Experience

### Laboratory of Computer Science Research, Rutgers

Piscataway, NJ

STUDENT APPLICATIONS DEVELOPER

Feb. 2019 - June 2019

- Worked at Rutgers' LCSR for **12.5 hours weekly** during the semester and **16 hours weekly** during the summer as Student Web Developer
- Created **PHP Laravel** web application, utilizing laravel collection, MVC and many to many relationship tables for **MySQL** database
- Introduced a model that would be able to represent a query and generate a table based on the SQL query result

## Leadership Experience

### HackRU

Fall 2018 - Present

VHX VICE DIRECTOR AND RND ORGANIZER

- Organized volunteer shift schedule and allocation for **40+ Volunteers** on shift at biannual Rutgers Hackathon
- Created Google forms and utilized forms to contact **80+ volunteers** for feedback
- Developed software for use by staff hackers at HackRU and coordinates with HackRU Directors accordingly

### Rutgers University Mobile App Development Club

Fall 2018 - Present

BACKEND MENTOR

- Use **PyMongo** and **Flask** to create URL links for basic blog frameworks
- Incorporates NoSQL database (**MongoDB**) with PyMongo and Flask to create projects
- Created Song Messaging app with a group of IOS and Android Developers utilizing **Spotify API** and **MongoDB** for login and Database Storing

### Undergraduate Student Alliance of Computer Scientists

Sep. 2019 - Present

EDUCATION DIRECTOR

- Contacted **50+ industry speakers, companies, Professors and other contacts** for event planning and programming
- Planned **weekly** hacker hours on Web Development, App Development, and machine learning from other company events and other students for talks on new and upcoming technologies
- Developed Mentor-mentee pods that **develop** and **stimulate growth** for Rutgers computer science community

## Projects

Fall 2018 **Monopoly**, Created as a first step into a language and simulates Monopoly

Java

Spr. 2019 **SongToChat**, Simulates messaging application, allows for songs to be sent using Spotify API

PyMongo, Flask

Fall. 2019 **Malloc Simulator**, Simulates Malloc and Freeing over an array of size 4096

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