Daniel T. Yang
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Education
Rutgers University New Brunswick
May 2022
B.S. in Computer Science
B.S. in Mathematics
Minor in Economics

Relevant Coursework
Prior:
AP Computer Science, Intro to Computer Science, Data Structures, Computer Architecture, Calculus I-III, Intro to Linear Algebra, Intro to Math Reasoning
Current:
Systems Programming, Calculus IV, Discrete Structures, Math Theory and Probability, Intro to Macroeconomics

Skills
Programming Languages
Proficient: Python, Java, PHP, HTML
Learning: C, Assembly
Frameworks
Proficient: Flask, Django, Larval
Learning: React, Redux, Bootstrap
Tools
Proficient: Git, Linux, Bash, MySQL, MongoDB
Learning: AWS, Heroku, Vim

Projects
Monopoly > Fall 2018 > link
- An application using Java to recreate Monopoly.
- Created as a first step into a language and will be further implemented by recreating Monopoly in Java, Python, C etc.

SongToChat (Backend) > Spring 2019 > link
- Utilizes PyMongo and Flask to generate logic for User messaging interface.
- Takes in and communicates with Frontend service that pushes valid login details.

Secret Santa > Winter 2018 > link
- Uses Python and Flask to create customized weblinks for Register, Login, and Dashboard.
- Uses a MongoDB database to provide data visualizations.

Leadership Experience
HackRU| VHX Vice Director| RND Organizer > Fall 2018 - Present
- 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.
- Acted as key organizer and Research & Development architect at biannual hackathons hosted by HackRU.

RUMAD| Mentor| Accelerator Backend Track > Fall 2018 - Present
- Uses **PyMongo** and **Flask** to create URL links for basic blog framework.
- Incorporates NoSQL database (**MongoDB**) with PyMongo and Flask to create projects.
- Created Song Messaging app with a group of IOS developers and Android Developers utilizing **Spotify API** and **MongoDB** for Login and Database Storing.

USACS| Education Director| Education Team Fall 2018 - Present
- 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.

Work Experience
Kumon| Tutor > Winter 2017 - Summer 2018
- Helped **100+ students** understand topics from simple math up to Calculus, reading, and writing problems.
- Mentored **eight** high school trainees to help them adapt into a working environment.
- Graded worksheets to help students further understand Math and English concepts **nine** hours a week.

LCSR| Student Software Developer - Winter 2019 – Summer 2019
- Worked at Rutgers's Laboratory of Computer Science and Research 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.