Jason **Nguyen**

RISING JUNIOR AT RENSSELAER POLYTECHNIC INSTITUTE

Greater Boston Area, MA

✉ nguyenjason06@gmail.com | ⌂ dangitjason.github.io | ⎙ DangItJason | ⬚ jnguyen576

Summary

Technical leader who loves empowering a team to turn ideas into a reality. Part-time nerd who uses coding as a tool to solve personal problems. Ready to utilize learned technical skills, academic background and leadership in a professional experience to contribute to a greater-cause.

Skills

Languages: (proficient) Python (familiar): C/C++, Java, Javascript (+ES6)

Technologies: React.js, Node.js, Express.js, MongoDB (Mongoose), Bootstrap, Git, npm

Education

Rensselaer Polytechnic Institute   *Troy, NY*

B.S. IN COMPUTER SCIENCE, 3.55 GPA   *Expected Graduation: May 2022*

- Focus in AI/ML
- Dean's Honor List: Fall 18', Spring 19'

Experience

Rensselaer Polytechnic Institute Science Department   *Troy, NY*

UNDERGRADUATE COMPUTER SCIENCE TEACHING ASSISTANT   *Aug. 2019 - Dec. 2019*

- Guided new computer science students to build and develop proper programming practices during lab periods.
- Directly influenced growth of 30+ students through instructing with Python programming exercises.

Projects

You can view each project at dangitjason.github.io

A* Path Finding Algorithm Visualization

PYTHON, TKINTER   *May. 2020*

- Developed a python script that uses A* search algorithm to find the lowest cost path from start to end destinations.
- Uses Tkinter Python module to visualize the algorithm's decisions and add obstacles to grid.

FitMe Full-Stack Web Application

JS ES6, BOOTSTRAP CSS, NODE.JS, EXPRESS.JS, REACT.JS, MONGODB, NPM   *Apr. 2020 - May. 2020*

- Developed a full-stack web application that tracks and develops personal user workout routines to improve progress towards goals.
- Wrote a software requirement specification to identify project scope, requirements, goals and high level design.
- Uses React.js framework and Bootstrap CSS to build functional user interface.
- Follows MVC design pattern for simultaneous development, cohesion and open to modification.
- Created RESTful style API using Node.js and Express.js to communicate with MongoDB to fetch user data.

GroupMe Chat Bot

PYTHON, GOOGLE CALENDER API   *Dec. 2019*

- Developed a chat bot using Python to inform and remind group members of weekly upcoming events.
- Retrieved, stored and pushed important dates through Google Calendar API.

CEO Gary Vaynerchuck Instagram Data Analysis

PYTHON, NUMPY, PANDAS, EXCEL   *May. 2019*

- Scraped over 5k posts and 5M+ comments using web-scraping tools for data analysis.
- Wrote Python scripts to edit and manipulate data and collect multiple CSV files into a single dataset.
- Used NumPy, Pandas and Excel to analyze and process datasets to analyze IG marketing strategy.

SchoolVR - Business Model Competition

PROJECT MANAGEMENT   *Oct. 2018 - Mar. 2019*

- Worked to build an idea that offers an online education platform for virtual reality education called SchoolVR
- Engaged in customer acquisition through direct contact of 10+ US universities. Pitched product to local entrepreneurs and professors.
- Sketched out general scope and goals. Communicated roles and expectations to team. Monitored progress and identified roadblocks.