

Jason Nguyen

SENIOR 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 and uses coding as a tool to solve challenging problems. Ready to utilize learned technical skills, academic background and leadership experience to contribute to a greater cause.

Skills

Languages: Python, C/C++, Java, Javascript (+ES6), HTML/CSS

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

Education

Rensselaer Polytechnic Institute

Troy, NY

B.S. IN COMPUTER SCIENCE, 3.56 GPA

Expected Graduation: Fall 2021

- Coursework: Data Structures, Discrete Math, Differential Equations, Multivariable Calculus, Intro to Algorithms, Principles of Software, Operating Systems, Computer Communication Networks, Computer Organization, Software Design and Documentation, Large Scale and Programming

Experience

Johnson & Johnson

New Brunswick, NJ

TECHNOLOGY CO-OP

Jan. 2021 - Present

- Responsible for development of an enterprise learning tool used to train and educate teams to embrace the agile methodology.

Rensselaer Center for Open Source

Troy, NY

PROJECT LEAD

May 2020 - Present

- Led a team of 5 developers to create a platform that connects campus students to tutors and provides tutors a business management tool.
- Wrote a software requirement specification to identify project scope, requirements, goals and high level design.
- Used React.js framework and Bootstrap to develop clean, functional user dashboards.
- Created RESTful API endpoints using Node.js and Express.js frameworks to communicate with a NoSQL database.
- Follows Model-View-Controller design pattern for simultaneous development, cohesion and performance.
- Used Agile methods to collaborate, organize development efforts and deliver expected acceptance criteria.

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

Multi-threaded Chat Server

C, LINUX, SOCKET PROGRAMMING

Aug. 2020

- Developed a multi-threaded chat server in C that allows communication between connected clients over TCP and UDP connections.

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.

Login and SignUp System

JS ES6, BOOTSTRAP CSS, NODE.JS, EXPRESS.JS, REACT.JS, MONGODB, NPM

Apr. 2020 - May 2020

- Developed a functional login and sign-up page for a full-stack fitness application.
- Uses React.js framework and Bootstrap CSS for front-end UI.
- Created RESTful API endpoints using Node.js and Express.js to support CRUD operations.