







PATRICK JOHNSON

Software Engineer

CONTACT

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[My Website](#) 
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EDUCATION

B.S. Computer Science
City College of New York
2016 - 2020
New York, NY
Dean's List, Spring 2019
National Honor Society

RELEVANT COURSES

Computer Security
Algorithms
Web Design
Software Engineering
Big Data Management
Computer System Design

SKILLS

Python
JavaScript
HTML/ CSS
Firebase
Node.js
Git
REST APIs
GraphQL

WORK EXPERIENCE

Software Engineer Intern

CCNY Neural Engineering Group
May 2018 - December 2018

- Designed and implemented UI to alter electrical impulse wave forms through Raspberry Pi
- Increased impulse accuracy by integrating Arduino Microcontroller, allowing for response time down to 4 microseconds

Team Lead and Rework Mechanic

Boeing

May 2008 - April 2015 / Seattle, WA

- Collaborated with leadership to design a workflow reducing aircraft rollout from 4 days to 2.5

PROJECTS

Frigid - Database UI

Creator

April 2021 - current

- Node.js and graphql to support backend database requests
- Designed and implemented database touch screen UI with responsive search feature allowing research labs to keep an accurate inventory of their supply

Stock Market Simulator

Cocreator

September 2019 - April 2020

- Developed a web app using agile methodology that allows users to simulate, visualize, and participate in an active stock market without risk
- Implemented Cloud Firestore for database operations and authentication allowing for multiple enclosed sessions
- Made use of Node.js for routing, Redux for application state management, and Material-UI for user interface

Musaic - Soundcloud Clone

September 2020 - December 2020

- Developed a web app alongside 3 other team members using agile methodology that allows users to upload and play their own personal music
- Used React and Bootstrap for web front end, and Wavesurfer.js for audio playback