




# PATRICK JOHNSON

## Software Engineer

### CONTACT

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### EDUCATION

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

### RELEVANT COURSES

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

### SKILLS

JavaScript (React)  
HTML/ CSS  
Firebase  
Python (Kivy)  
REST APIs  
Node.js  
Git

### CAREER OBJECTIVE

Interested in an internship or full time position that will allow me to utilize my problem solving skills and attention to detail to further develop my abilities in the field of computer science.

### WORK EXPERIENCE

#### Full Stack Software Engineer Intern

CCNY Neural Engineering Group

May 2018 - December 2018

- Designed and implemented user interface for electroporator prototype on 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

- Worked with leadership to design a workflow reducing aircraft rollout from 4 days to 3, and later to 2.5

### PROJECTS

#### 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

Cocreator

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