

EXPERIENCE

R&D Software Technician **GAL Manufacturing LLC** **Aug. 2019 - Present**

- Developed the new Galileo web app which displays real-time data from the GAL elevator controller and facilitates easy set-up and diagnostics of an elevator system.
- Utilized React to create a responsive, intuitive, and fast-rendering UI for the Galileo web app.
- Created custom UI components and implemented efficient data parsing algorithms to improve the rendering speed of the Galileo web app by 200%.
- Implemented Django framework to provide a robust database for the Galileo web app, as well as a custom API to securely transfer data to and from the GAL elevator controller.
- Built a desktop app using PyQt which allows users to easily set-up and troubleshoot their Galileo web app installation.

R&D Software Intern **GAL Manufacturing LLC** **May 2019 - Aug. 2019**

- Developed and presented a prototype of the new GALileo web app to company executives, showcasing live communication between the app and the GALaxy elevator controller.
- Assisted in documentation of software team processes including GALaxy elevator controller simulator set-up and testing, and software version control.

PROJECTS

GameNight

- A web app featuring tools for enhancing the fun of a game night with friends. Includes original game Tic-Tac-Grow, an interactive scoreboard, virtual bank, and a dice roller for Risk.
Technologies Used: React, Javascript, HTML, CSS.

EDUCATION

The City College of New York **B.E. Computer Engineering** **June 2021**

- **Coursework:** Data Structures, Algorithms, Introduction to Computing (C++), C++ for Engineers, Programming for EE (C++), Software Design (Java), Operating Systems, Assembly Language, Discrete Mathematics, Linear Algebra, Calculus I, II, III, & IV, Introduction to Probability, Computer Aided Analysis (MATLAB), Integrated Circuit Design.

CodePath **Advanced Software Engineering** **Summer 2021**

- Selected for a competitive 12-week course taught by software industry professionals covering the use of data structures and algorithm design techniques to solve challenging algorithmic questions.

EXPERTISE

Languages: Proficient in Python, Javascript, HTML, CSS, C++. Familiar with Java, C, Bash, SQL, MATLAB.
Technologies: React, Django, PyQt, Git.

AFFILIATIONS

National Society of Black Engineers Member, 2017 - Present