Robert Reid

New Jersey, United States ✉ rreidmc@gmail.com 📱 6095315281 in in/rreideng

SUMMARY

Experienced in navigating fast-paced learning environments. Well-versed in quickly and comprehensively learning, processing, and applying new information. Great communication and critical thinking skills, as well as problem-solving techniques derived from first-hand experience.

EXPERIENCE

Technology Internship
ADCO Electrical Corp   **June 2022 –August 2022, New York, NY**
· Utilized Microsoft SQL Server and Power BI to request large amounts of data to create interactive and insightful diagrams.
· Extracted and cleaned SQL server data from IntelliBid libraries for the purpose of normalizing and recreating the tables using relational database management system techniques.
· Lead project to create and distribute manuals for upgrading manual electrical estimation process to Conest estimating software applications IntelliBid and SureCount.

IT Help Desk Technician
Rutgers University School of Communication and Information   **October 2019 – Present, New Brunswick NJ**
· Contributed to the timely troubleshooting of Mac and Windows OS computers, Ricoh and HP printers, and other peripheral equipment in 6 buildings.
· Provided the routine computer windows image installation and support for professional business process applications for over 100 full time and part time faculty members.
· Oversaw the proficient training of 4 new team members in order to delegate intermediate to advanced tasks with success.

Office Manager/ Part Time Installer
DiPasquale Fence   **June 2017 - Present, Englishtown NJ**
· Compiled the weekly fence installation and on site estimator service scheduling for up to 10 employees seasonally for 2 years and performed fence estimates using standard techniques and delivered contracts to customers seasonally for 3 years.
· Spearheaded the upgrade of office systems including the sourcing and installation of 3 computers, 2 cameras, 3 phones, and all networking equipment.

Software Engineering Internship
ADCO Electrical Corp   **June 2020 - August 2020, Staten Island NY**
· Oversaw an agile approach and initiated the creation of a granular schedule, business process and workflow diagram from requirements elicitation for a website to help track COVID symptoms used by over 500 employees daily.
· Developed HTTP routes using NodeJS and ExpressJS and successfully delivered JavaScript code to send an email using SMTP to the appropriate personnel for contact tracing purposes.
· Employed the use of the existing company azure active directory to facilitate the data retrieval and MongoDB for the storage of 100+ reports.
· Created an easy to use and responsive user interface using Bootstrap and managed the continuous integration and deployment of application using Heroku.

PROJECTS

Gen Mobile Robot
· Fabricated a robot to emulate a full human hand and arm using an Arduino microprocessor and servos, utilizing a 6 axis gyroscope and flex sensors to capture the user's movement.
· Programmed a RESTful API using both 2.4Ghz ATT Bluetooth protocol and 801.1x Wifi protocol to send user data to the robot.
· Authored a conceptual and prototype design review over the course of six months to obtain funding from school.

FRAMEs Smart Glass
· Designed an interactive smart glass system that the user could attach to any pair of glasses using raspberry pi that included a camera, interactive video display, and peripherals for user input using Python and RPI GPIO.
· Planned using an incremental process and published a conceptual and prototype design reviews to obtain funding from school.

EDUCATION

Pursuing a Bachelor's degree in Electrical and Computer Engineering
Minor in Computer Science · Rutgers University · New Brunswick NJ · 2019 · 3.606

SKILLS

Personal – Communication, Critical Thinking, Adaptability

Hardware – Computer Repair and Installation, Microprocessors, Soldering, Multimeters, Oscilloscopes, FPGA boards

Software – Linux, Node JS, MongoDB, MySQL, Javascript, Java, HTML, CSS, Python, SQL, MATLAB