Hamlet Jaquez

Aiming to bring creative ideas to various projects while modernizing solutions to bring them in tandem with our modern digital age.

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Work Experience

11/2019 – Present Atlanta, GA
Specialist Programmer
Infosys

Description
Recruited as a fresh hire, I started my early training in Big Data and common industry tools associated and used, including Hadoop, Spark, MongoDB, Pig, and Sqoop. During this period, I exemplified extraordinary skill to assimilate and understand programming knowledge and was quickly promoted to a Full Stack Specialist Programmer. I worked in Atlanta on the merger between two very prominent banks in the area, SunTrust and BB&T, into Truist.

Education

09/2016 – 05/2019 Newark, NJ
New Jersey Institute of Technology
  Major: Computer Science
  Minor: Applied Mathematics
  Graduation Date: May 2019

09/2012 – 06/2016 Wayne, NJ
Passaic County Technical Institute
  Major Field of Study: Engineering | GPA: 4.068
  Graduation Date: June 2016

Leadership

05/2018 – 05/2019 Newark, NJ
President & Lead Programmer of NJIT's Robotics Team

01/2017 – 05/2018 Newark, NJ
Vice President & Lead Programmer of NJIT's Robotics Team
New Jersey Institute of Technology

Description
Effectively delegate various tasks on all unique robotics projects, as well as assist in leading NJIT's VEXU Robotics Team to victory by critically thinking and problem solving the most effective and efficient courses of action through the yearly user-control & autonomous challenges.

04/2017 – 10/2018 New Jersey, USA
College-Aged Teen Institute Staff (CATS)

Lindsey Meyer Teen Institute | Partners in Prevention

Description
Provide information and guidance to high school adolescents about the misuse of drugs, alcohol, and tobacco, as well as provide safe and enjoyable alternatives while building a supportive framework of friends and family around them.

Languages

English: Proficient | Spanish (Verbal): Semi-Proficient

C++ | Java | Python

Projects & Research

01/2019 – 05/2019 New York, NY
5G and its Real-World Impact on Health and Safety
Verizon 5G Labs

Description
At Verizon's 5G Lab, I worked in a team setting in order to explore the boundaries of 5G network technology while developing cutting edge applications and hardware that will utilize the 5G Network. For my senior project, I was tasked with creating a computer vision application to serve as an assistive tool to patients with Dementia or Alzheimer's. I utilized tools such as OpenCV, TensorFlow, various object detection methods, and deep neural networks in order to effectively gather data and produce a working proof of concept, which covers a use case involving stove usage in a patient's household.

01/2018 – 08/2018 Newark, NJ
Multi-Synchronous Autonomous Robotics
Robotics and Data (RAD) Lab
Description
This lab specializes in research and development with autonomous and synchronized multi-robot systems. I specifically worked with ground-based fleet robots, equipped with 6 different sensors, and am tasked with designing a multithreaded software solution in Java that will allow the control of multiple (~100) of these ground-based fleet robots.

01/2018 – 08/2018 Newark, NJ
Low-Cost Lidar Sensor Fusion for Mapping Applications in Transportation Industry
Robotics and Data (RAD) Lab
Description
A project proposed to the Undergraduate Research and Innovation competition at NJIT which won 1st place. It involves utilizing low cost lidar technology in conjunction with sensors such as accelerometers and gyroscopes in order to plot and map irregularities in our roadways and relay the information to our Transportation Industry.

Achievements & Certificates

Undergraduate Research and Innovation: 1st Place [03/28/2018]

The URI Program involves students submitting written research proposals to an executive committee, and then requiring presentations of their projects, along with demonstrations of their projects. For more information, please refer to the URI website: http://centers.njit.edu/uri/

Autodesk Inventor Certified User [03/04/2016]

Awarded to those who show mastery over Autodesk's 3D modeling software, Inventor, and certifies the user in being able to efficiently and effectively create 3D models utilizing this software.

OSHA-10 [01/13/2016]

Acknowledges that the recipient has successfully completed a 10-hour Occupational Safety and Health Training Course in Construction Safety and Health.