

# 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**

Trained in Big Data and its common industry tools, including Hadoop, Spark, and others. Exemplified extraordinary skill to assimilate and understand programming knowledge and was quickly promoted to a Full Stack Specialist Programmer. Worked in Atlanta on the merger between two large banks, SunTrust and BB&T, into Truist by utilizing Java and Hadoop for large volume data processing and migration. Proceeded to work with State Farm and their AWS cloud platform for claim handling, utilizing Python scripts for AWS and Database integration. Further trained on REST & Spring, along with more of Amazon's Cloud Services.

## Education

09/2016 – 05/2019

Newark, NJ

### **New Jersey Institute of Technology**

Bachelor of Science in 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 delegated 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**

Provided 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: Fluent | Spanish: Conversational

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**

Worked at Verizon's 5G Lab 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. Tasked with creating a computer vision application to serve as an assistive tool to patients with Dementia or Alzheimer's. 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. Worked with ground-based fleet robots, equipped with 6 different sensors, and tasked with designing a multi-threaded 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 1<sup>st</sup> place. It involved 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: 1<sup>st</sup> 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.