Hamlet Jaquez

Aiming to bring creative ideas to various projects while pushing the envelope of technological advancement, eager to see what breakthroughs lie ahead

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Work Experience

11/2021 – Present — Atlanta, GA
Software Engineer
Feedzai

Description
Worked at a startup specializing in proprietary software for retail banking and anti-money laundering, utilizing machine learning models, large-scale rule logic, and data processing to monitor online transactions, detect fraud, and combat money laundering.
Collaborated with cross-functional teams on a Linux platform to maintain, develop, and troubleshoot products, using a tech stack that included Java, Maven for dependency management, and XML/YML configurations. Responsible for pipeline management for AWS deployments, all containerized with Docker.
With these skills, I deployed, supported, and customized client-specific projects, ensuring the smooth operation of tailored environments. Later, contributed to migrating projects to a new Kubernetes deployment standard, improving scalability and reliability.

11/2019 – 11/2021 — 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 under training and was quickly promoted to a Full Stack Specialist Programmer. Worked in Atlanta on a merger between two large banks, SunTrust and BB&T, into Truist by utilizing Java and Hadoop for large volume data processing, transformation, and migration. Proceeded to work for State Farm on their claim handling system hosted on AWS cloud, utilizing Python scripts for AWS and Database integration.

Education

09/2016 – 05/2019 — Newark, NJ
New Jersey Institute of Technology   [NJIT]
Bachelor of Science | Computer Science
Bachelor of Science | Applied Mathematics

09/2012 – 06/2016 — Wayne, NJ
Passaic County Technical Institute   [PCTI]
Vocation: Engineering

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 & lead members across robotics projects. Mainly focused in participating with NJIT's VexU Robotics Team, competing in various local & state competitions, eventually having the chance to compete at VexU Worlds. Together, we would formulate our path to victory by critically thinking, designing, building, and programing a robot that would effectively compete in the yearly user-control & autonomous challenges.

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 Downtown New York in a team setting to explore the boundaries of 5G network technology while developing a real-world proof of concept as a demonstration for 5G and its capabilities. Together we conceived and created a computer vision application to serve as an assistive tool to patients with Dementia or Alzheimer's. The application's data handling and processing would be done in real time over 5G to demonstrate the over-air data processing rate of the network. We utilized tools such as OpenCV, TensorFlow, various video object detection methods, and deep neural networks to effectively gather data and produce a working proof of concept, monitoring stove usage & potential fire hazards 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 various sensors, and tasked with designing a multi-threaded software solution in Java that would 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 [URI] competition at NJIT which won 1st 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: 1st Place [03/28/2018]

The URI Program involves students submitting written research proposals to an executive committee, along with performing presentations & 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.

Languages

English: Fluent | Spanish: Conversational

Java | Python