

CARLOS FERNANDEZ LOCKWARD

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SUMMARY

Computer Science Master student with electronics background and 4+ years of work experience. Leader, fast learner, responsible and flexible. **Graduating May 2021.**

RELEVANT EXPERIENCE

GAD INTERMEC S.R.L – Santo Domingo, Dominican Republic

Lead Project Developer and Consultant

Jan 2018 – Jul 2019

- Worked designing and programming software solutions to increase productivity and accuracy in the client's warehouse operations using Python, C# and SQL.
- Led development of a full warehouse management system (WMS) as a Database Architect and Programmer.
- Hired and managed a team of 3 developers after identifying a need for new developers and discussing it with the company owners.
- Warehouse technology consultant for major retailers in Dominican Republic and Puerto Rico.
- Expert in Honeywell warehouse technology solutions: Label printers, Barcode scanners and Vocollect.
- Worked directly under the company owners.

OTHER EXPERIENCE

ROCHESTER INSTITUTE OF TECHNOLOGY. – Rochester, NY

Laboratory Assistant

Jan 2020 – Present

- Managed and serviced around 40 printers across 3 buildings.
- Provided tier 1 technical support for students and faculty members.
- Managed equipment inventory.

SANTO DOMINGO INSTITUTE OF TECHNOLOGY. – Santo Domingo, Dominican Republic

Laboratory Assistant

Mar 2016 – Dec 2017

- Taught students how to use specialized equipment (oscilloscope, function generator, spectrum analyser, etc).
- Helped around 40 students per day conduct advanced electronics and programming experiments.
- Did regular maintenance and repairs to specialized equipment and operated a CNC Machine.
- Improved the inventory tracking system to greatly reduce the time necessary to do the inventory.

EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY – Rochester, NY

May 2021

Master of Science, Computer Science; Cumulative GPA: 3.85/4.00

Relevant Coursework:

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| • Foundations of Cryptography | • Computer Vision | • Artificial Intelligence |
| • Quantum Computing | • Computer Graphics | • Machine Learning |

SANTO DOMINGO INSTITUTE OF TECHNOLOGY – Santo Domingo, Dominican Republic

Oct 2017

Bachelor of Engineering, Electronics and Communications

PROJECTS

FACIAL EXPRESSION RECOGNITION UNDER A FACE MASK

- Implemented a neural network that can recognize facial expressions under a face mask with 90% accuracy.
- Used Python with the Scikit-Learn and Pandas frameworks as well as OpenFace 2.0.

HYBRID CLASSICAL-QUANTUM NEURAL NETWORK FOR HANDWRITTEN DIGIT RECOGNITION

- Extended the implementation found in the "Learn Quantum Computation using Qiskit" textbook to allow for the recognition of more digits.
- Used Python with the Pytorch framework along with Qiskit.

ADDITIONAL

Skills: Python, SQL, Java, C#/C++, Networking, MATLAB, Machine Learning, Quantum Computing.

Languages: Fluent in Spanish and English