

Manuel Lemos

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Education

MCMaster UNIVERSITY

B.ENG. MECHATRONICS

📅 Sep 2018 - Current 📍 Hamilton, CA

- Three consecutive year Dean's list (10.6 cumulative GPA)
- McMaster University Presidents award scholarship recipient

Links

🐙 GitHub **MannyLemos**

in LinkedIn **Manuel-Lemos**

</> Leetcode **Manuel_Lemos**

Coursework

UNDERGRADUATE

- Data Structures & Algorithms
- Software Development
- Artificial Intelligence
- Machine Learning
- Computer Networks & Security
- Databases
- Embedded Systems Design
- Statistical Theory & Methods
- Real-Time Systems & Control Applications
- Robotics

Skills

PROGRAMMING

VBA • Python • C/C++ • HTML/CSS • JavaScript • MongoDB • SQL

SOFTWARE

Microsoft Office • Google Suite • Oracle E-Business • VS-Code • Matlab • Simulink • Github • Autocad • Creo • \LaTeX

Qualifications

SECURITY CLEARANCE

RELIABILITY STATUS

Obtained prior to working at Indal in order to gain access to Protected A, B, or C information, assets or work sites.

Available Upon Request.

LINKEDIN ASSESSMENTS

- Microsoft Excel
- Visual Basic for Applications (VBA)
- AutoCAD

Experience

OPERATIONS - ENGINEERING COOP

INDAL TECHNOLOGIES - CURTISS-WRIGHT EMS

📅 May 2021 - Aug 2022

📍 Mississauga, ON, CA

- Designed, created, and maintained an automated suite of Key Performance Indicators using VBA in conjunction with outlook, and Oracle E-Business Suite.
- Worked with members of various departments to develop custom automated reports. Drastically cut down time spent on manual data manipulation, and improved interdepartmental communication.
- Created a VBA Module Library. A wide range of robust, thoroughly tested modules were created to reduce development and documentation time.
- Aided in the creation of a complete facility CAD model. This model was then used to map routes of travel through the facility. Optimal routes were then identified and prescribed to decrease component move time.
- Worked independently on a long term capital expenditure projects. Constructed in-house solutions to high cost vendor operations. Determined the cost and timeline of implementation. Conducted an economic analysis and created a business case for the expenditure with recommendations.

JOB QUOTING AND IT SOLUTIONS

HOFFER MECHANICAL

📅 Jul 2015 - Aug 2020

📍 Hamilton, ON, CA

- Quoted projects.
- Computerized resources.
- Implemented a cloud based SDS database.
- Provided technical support and communicated solutions to coworkers.
- Performed 2D and 3D modelling in AutoCAD.

Recent Projects

AUTOMATED REPORT UPLOADING PROGRAM

WORKPLACE PROJECT AT INDAL TECHNOLOGIES

📅 Aug 2021 - Aug 2022

📍 Mississauga, ON, CA

Designed a system which automatically retrieves all potential reports from an Oracle E-Business System . These reports were then uploaded to a shared drive on the server providing accessible, read only access to all employees. This highly organized filing system featured dates in file names which could be interpreted directly by excels date format. Moreover, a data retention policy was implemented so that un-needed old data could be offloaded saving storage space.

Technologies: VBA, Excel, Outlook, Oracle E-Business System, Windows

PACEMAKER

ACADEMIC PROJECT AT MCMaster UNIVERSITY

📅 Oct 2020 - Dec 2020

📍 Hamilton, ON, CA

Implemented a responsive pacemaker system on a K64F MCU.

Spearheaded the development of a Simulink model capable of interfacing with a Vue/Electron application in real time through a serial port.

Technologies: Simulink, K64F, Serial Port, Node.js, Vue.js, Electron, Mongoose, Express, GAE, MongoDB Atlas, Git