


Erros Yedsel Quiñones

Contacts

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Buffalo, NY 14215 

Availability: 1st Shift
or 2nd Shift

OBJECTIVE

A well-rounded and experienced worker & student, I'm seeking an internship/job opportunity to apply my education, experience, abilities, passion, and work ethic. Though in the future I aim to focus on mechanical-electrical engineering, I'd like to advance my skills and experiences in the engineering field through hands-on experience. I love CNC programming, 3D CAD mechanical design, and mechatronics. My ultimate goal is to learn new techniques and gain new skills in the professional engineering & manufacturing environment.

SKILLS & COMPETENCIES

Computer Aided CNC & Manufacturing Machinery

- Design/Manufacturing**
 - *G-Code & M-Code*
 - **CNC Mill & CNC Lathe** Programming
 - Editing & Optimizing Programs
 - Working w/ Aluminum, Steel, Stainless, Wood
 - Ability to interpret & create technical drawings and apply GD&T symbols.
 - **Solidworks** (Certified), AutoCAD, 3D Creo Para.
 - **Mastercam**, BobCAD Alphacam, FlowPath, Fusion 360.
- **CNC Mills** (ex. Haas VF-2SS)
- **CNC Lathes** (ex. Haas ST-10)
- **HAAS** Controls & **FANUC** Controls
- Operate 6-Axis CNC Grinding Machine
- Operate Fanuc Industrial Robot Arm
- **Jigs & Fixtures** (T-Slots, Vices, Clamps, Pallets, Suction Fit, Parallels)
- Setting Tool & Work Offsets
- Building Up Tools
- Indicate Vices, Holes, Pins, Etc.
- Power Tools & Hand Tools
- **Manual Mills/Lathes** (ex. Bridgeport)
- Horizontal & Vertical Band Saw

Precision Measuring Equipment

- **SmartScope** Measuring Technology
- Measure-X Software
- **Optical Comparator**
- **Micrometers** (Outside, Inside, Depth, Blade, Thread)
- **Calipers** (Digital, Dial, Vernier)
- Indicators (Dial, Test, Etc.)
- Drop Indicator & Vernier Height Gauge
- **Tool Maker's Scope**
- Scale, Ruler, Measuring Tape
- Square, Protractor
- Gauge (Plug, Ring, Roll, Block, Etc.)
- Surface Finish Comparator

Communication

I am functionally bilingual in **Spanish** and **English** and am able to translate and interpret in both.

I have strong **interpersonal skills** & customer service skills.

Public speaking and presenting skills as well as **advanced reading and writing skills.**

EXPERIENCE

CNC Programmer & Machinist

Feb. - May 2018 • 4 Months

LiteLab Corp.

Buffalo, NY

- Commercial Lighting Design & Manufacturing
- CNC Mill & Lathe Machines
- Industrial Machine Shop Fabrication
- Designed in **BobCAD & SolidWorks** CAM/CAD Software
- * Left this employer due to mandatory overtime policy that conflicted with my school schedule.

CNC Grinding Machine Operator

Oct. 2017 - Jan. 2018 • 4 Months

North American Carbide

Orchard Park, NY

- Precision Tool Manufacturing
- **Ewamatic Linear 6-Axis CNC Grinding Machine**
- Manufactured tools, indexable inserts and rotationally-symmetrical tools in hard metal, Carbide, PCD or PCBN.
- **Inspected parts** with **precision measuring equipment.**
- * Left this employer to switch from working 2nd shift to 1st shift and to attend night college classes.

CNC Programmer & 3D/2D CAD Designer

Mar. - July 2017 • 5 months

Fancher Chair Company

Falconer, NY

- Wooden Furniture Manufacturing
- Developed CNC programs in **Alphacam** CAM software.
- **Designed 3D models** of wooden chairs, tables, mirror frames, benches, display cases and desks in **SolidWorks.**
- **Designed and built jigs** & work holding fixtures.
- Set up CNC machine to make desired movements, cuts, and tool bit interchanges.
- Create professional engineering & **technical CAD drawings.**
- Applied industrial machine shop skills.
- * Left this employer when I moved to Buffalo, NY for college.

K-12 Academic Tutor

Sept. 2016 - May 2017 • 9 months

Chautauqua Striders

Jamestown, NY

- Responsible for mentoring at least 20 different elementary, middle school, and high school aged students.
- Tutored in all subjects, but focused on math and language
- Tutored college-level Physics, Chemistry, and Calculus.
- Also worked track & field events and race timing software.

Environmental Science Intern

Summer 2015 & 2016 • 6 months

Roger Tory Peterson Institute of Natural History

Jamestown, NY

Housekeeper

June 2013 - Aug. 2015 • 2yrs 1month

Howard Hanna Holt Real Estate

Chautauqua County, NY

SKILLS & COMPENTENCIES

- Aspire to work hands-on in research environments, engineering offices, and industrial manufacturing facilities.
- Strong desire to learn and gain experience.
- Development of 3D models, assemblies, detailed design drawings and specifications for production and customer proposals, using Solidworks.
- Microsoft Office Suite (Word, Excel, PowerPoint, Outlook, OneNote)
- Google Office Software (Docs, Sheets, Slides, Drive, Calendar, Forms, Etc.)
- Mac & Microsoft Windows Computer Systems
- Research & Development Skills
- Mathematics & Finance Skills
- Mechanical Aptitude
- Industrial Machine Shop Skills
- Environmental Research Skills
- Leadership Skills
- Strong ability to plan and organize tasks.
- Work effectively within a team.
- Problem Solving & Analytical Skills
- Decision Making & Time Management Skills
- Highly creative with initiative and drive.
- Artistry, Graphic Design, Drawing and Painting
- 3D Printing & Prototyping

SCHOLARSHIPS & AWARDS

- Kiwanis and Key Club Scholarship • Lewis & Dempsy Scholarship
- NYS STEM Incentive Program Scholarship • U.S.A. Scholarship
- Jamestown City Council Parent Teacher Student Association Scholarship
 - All Western New York Scholar-Athlete Award
- Impromptu Speaking Competition National Leadership Conference
 - Fourth Place FBLA State Impromptu Speaking Competition
 - First Place FBLA Regional Personal Finance Test
 - Second Place FBLA Regional Impromptu Speaking Competition
 - Third Place FBLA Business Calculations Test

ACTIVITIES

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|---------------------------------|---|
| Jamestown Community College: | Jamestown High School: |
| • Student Senate • Culture Club | • President, FBLA |
| • Computer Programming Club | • Secretary, Key Club |
| • Campus Activity Board | • Cummins Engineering |
| • JCC Uncommoners Theater Group | Adopt-A-School Program |
| • Earth Awareness Club | • Art Club; Recreational Art |
| Erie Community College: | • Project Wild America |
| • Buffalo Niagara Waterkeepers | • Political Young Minds Club |
| | • Jamestown City Council Parent Teacher Student Association |
| | • Striders Mentoring Program |

EDUCATION

Future Educational Goals:

- Bachelor's Degree in Engineering (Mechanical, Electrical, Mechatronics, Energy Systems)

SUNY Erie Community College 2017-19

*Industrial Technology Associate's Degree
CNC Precision Machining Certification*

Related Courses: Mastercam, Solidworks, Industrial Inspection & Metrology, Technical Communication & Graphics, CNC Mill & Lathe Programming,

CNC Mill & Lathe Operation, Machine Tool Practice.

SUNY Jamestown Community College 2016-17

Engineering Science Associate's Degree

Related Courses: Introduction to Engineering & Design, Calculus I & II, Analytical Physics.

Transferred to Erie Community College

Jamestown High School 2012-16

Graduated June 2016

GPA: 4.0 Top 10% of Class

Academic Advanced Diploma

Advanced Placement and College Classes:

AP Calculus/College Calculus, AP Physics,

AP Psychology, Principles of Engineering,

AP U.S. History/ College U.S. History,

AP European History, College English 1 & 2.

REFERENCES

Sheila McIntyre

Jamestown High School
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Suzette Lacuzzo

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Elyse Henshaw

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of Natural History
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• Mrs. McIntyre was my freshman year business teacher at JHS, but I continued to work with her as my advisor during my junior and senior years as the President of our Future Business Leaders of America chapter.

• Mrs. Lacuzzo was my supervisor when I worked as a tutor with the Chautauqua Striders.

• Mrs. Henshaw was my supervisor when I was a Youth Ambassador at the RTPI.