



Liz Chavarria

lizchavarria.org

Summary

Preparing for a NIMS CNC Milling certification from the NightHawks Adult Education program @ Essex North Shore Agricultural and Technical School, a 415-hour training program focused on manual and CNC Mill operation, and manual and CNC Lathe operation.

Education & Training

Essex North Shore Agricultural & Tech. School, Danvers, MA (400 Hours) 9/2024–Present

- Completed training on manual lathes and mills (operation, setup, controls, and production), and advanced multi-axis CNC (some basic programming that is required for set up and operating, levels of G-Coding)
- Blueprint reading, geometric dimensioning and tolerances (GD&T), technical math, metrology, and inspection.

Machines Operated

CNC—Haas Mini Mill, Haas TM-1 Mill, Haas VF-2 Mill, Haas TL-1 lathe with Aloris Tool Post, Haas TL lathe, with indexing turret.

Manual Machining Equipment—Prototrak conversational / manual mills, Prototrak, manual lathes, manual engine lathes, horizontal bandsaw.

Hand Tools

Files, Deburring tools, hammers, and mallets

Inspection Equipment

Dial calipers, OD Micrometers, ID Micrometers, Depth micrometers, Telescoping gauges, Height gauges, Surface plate, Dial indicators, Gauge pins / gauge blocks, Thread inspection tools, Optical comparator.

Certifications

NIMS Level 1 CNC Milling Operations (pending), OSHA 10

North Shore Community College, Danvers, MA 9/2024–Present

- 6-week virtual contextualized machining Math course, in preparation for the advanced manufacturing machining with the Nighthawks @ Essex Tech

Employment History

Phillips Academy, Andover, MA 2022– 2024

Makerspace Coordinator and Designer

- Offered project consulting and feedback on personal and academic designs and final products.
- Collaborated with faculty members to implement maker-based technology into curriculum.
- Designed workshops and facilitated trainings for students and their clubs.
- Maintained upkeep of makerspace equipment, tools, and physical space.

Digital Harbor Foundation, Baltimore, MD 2020– 2021

Account Manager/Tech Center Maker Coach

- Managed National Science Foundation research project to increase access to equitable, culturally responsive maker-based technology and computer science programs for underserved youths.
- Provided instruction and mentorship to students, and contributed directly to the intellectual growth, emotional health, and overall well-being of program participants.

**Employment History (continued)****Georgia State University, Atlanta, GA**

2017–2020

Assistant Manager of Experiential Learning Labs

- Focused on experiential learning opportunities and job readiness skills.
- Maintained student assistant training and professional development mentoring programs.
- Expanded outreach; developed online makerspace resources.
- Coordinated annual event for the Atlanta Science Festival.
- Spoke at the CDC Innovation Forum.

Maker Faire Atlanta, Atlanta GA

2018–2020

Producer and Community Director

- Managed event layouts and logistics, and curated and managed makers, vendors, speakers, and special attractions.
- Networked within global Maker community to recruit makers and performers, and targeted key events to promote Maker Faire.

Geekspace Gwinnett, Lawrenceville, GA

2014–2018

Marketing and PR Coordinator

- Acted as events coordinator, community project organizer, and brand ambassador.
- Created marketing and social media deliverables on a limited budget, and directed member focus on long-term projects.
- Tapped as a representative at the White House Summit.

Additional Education**Master of Science in Instructional Design and Technology, Georgia State University**

2022

Bachelor of Business (BBA), Georgia Gwinnett College (Member, Honor Society)

2012

Additional Skills and Experience

▪ Project & Learning Management Systems Wrike, Basecamp, WhenToWork, Trello, WebCheckout, ServiceNow, Notion, SharePoint, Airtable, iCollege, Canvas, Blackboard	▪ 3D Printing Slicing & Modeling Software 3DPrinterOS, Cura, Slic3r, Makerbot TinkerCAD, Fusion360, Solidworks
▪ Office & Adobe Suites G Suite, Microsoft Office (Windows & Mac), Zoho Office, Photoshop, Illustrator, Premiere Pro, Acrobat, InDesign	▪ CNC Software Haas Control, Shaper Origin, Aspire, V-Carve and X-Carve
▪ Social Media Marketing Platforms Hootsuite, Facebook, Instagram, Twitter, Pinterest, Snapchat	▪ Programming Languages Java, C, Block-Coding (Scratch, MakeCode)
▪ Video Content & Editing Adobe Premiere, iMovie, Windows Movie Maker, YouTube, Vimeo	▪ Laser Cutting Software Epilog, Dremel, Universal Laser Systems
▪ Embroidery Digitizing Software SewArt, Hatch	▪ Educational & Other Makerspace Tech MakeyMakey, Arduino, Raspberry Pi, Circuit Playground Express, Screen Printing, Woodworking, Painting, Thermoplastics, Foam Smithing, 3D Printing Post Processing, Crocheting, Soldering, MIG/TIG Welding, Metal/Resin Casting