

This curriculum was developed by me, John A Gorman, with input from caring other members from 2015 - 2020.

If you want training on the Thunder Lasers and/or Lightburn, reach out to me.

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214.799.0299

Having taught at the Dallas MakerSpace for 10 years, I helped literally thousands of members enjoy creating, exploring new ideas and discovering new possibilities, across disciplines. One might start in my wood lathe class and make a pen, then learn how to laser an inscription. My design classes gave members a way to create 2D designs on the Vinyl Cutter, Lasers, CNC Plasma Cutter, etch glass. Or if you took my leather working class, you could laser a custom design on your sheath.

Project classes are rewarding, and they reinforce the lesson objectives.

My classes included Fusion 360 for 2D modeling and 3D creation, whether in 3D printing (which I teach) or in woodworking, parametric designs for laser and CNC, and more.

Enjoy your making. Engage with the community. Members are what make us strong. Lifting each other, sharing, caring. Giving. 🙌

John A Gorman

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SUMMARY

Passionate community team builder, educator, student, and maker. Very attentive to the different needs of members and students, whether it be physical, emotional, cognitive, or social. Seek to empower people to create and connect, to share and learn from each other, and to find new skills. Experienced in creating and delivering technological solutions, as well as other media.

PROFESSIONAL EXPERIENCE

February 2012 - Present

Teacher/Student, Self-Employed. Dallas, TX

- 3D design teacher: *TinkerCad* for all Ages, *Fusion 360* for a greater range of creation (3D and 2D)
- 2D design teacher: *Inkscape* Vector design for Laser, Screen Printing, CNC Routers, Plasma CNC, Vinyl
- Laser Instructor. *Thunder*, *Epilog*, *Full Spectrum*, & *Laseraus* laser systems. Developed various curriculums for Dallas MakerSpace. Trained other instructors. Trained over a 1,000 users. Created project based classes: Boxes, Purses, Tumblers, Glasses
- Woodshop instructor, Wood Lathe teacher. Introduced hundreds of students to the lathe. Created project classes such as Pen classes, Boxes, and Tool/Screwdriver Handles
- 3D Printing: Design, Slicing, Filament and Resin Printers

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- Screen Printing Teacher: Taught hundreds of students screen printing and screen making. Children as young as 9, and adults in their 80s, were among the students
 - Dye Sublimation Teacher
 - Leather work Instructor: Technique, Tools, and Projects
 - Vinyl cutting and Cricut/Silhouette Instructor
 - Assistant Jewelry Instructor for Casting
 - Trained instructors in Wood Shop, Woodturning, Laser, Vinyl, Airbrushing, Button Making, Screen Making and Printing, Leather working, and teaching

2011-2015

Assistive Technologist Researcher, Self-Employed. Dallas, TX

Explored different solutions to folks with different physical needs, seeking to provide everyone access to fun and community

1995 - 2012

Senior IT Specialist (Application Developer), IBM

- Worked directly with clients to understand business needs, design solutions, develop solutions, and improve applications based on feedback and use. Provided training, support, and maintenance
- Applications ranged from small departments to IBM global industries
- Applications varied significantly, from developing knowledge bases and problem reports & tracking, to QA, Workflow and security
- Worked remote and independently 1998-2012. Remote work and Flex Scheduling was new

MAKERSPACE LEADERSHIP AND VOLUNTEER EXPERIENCE

February 2012 - August 2021

Dallas MakerSpace, Carrollton TX

- Joined the Dallas MakerSpace when there were approximately 60 members in 2012. Instrumental in helping us grow to over 2,400 members, becoming the largest volunteer MakerSpace in the world.
- Director on the Board 2013-14
- Chair, Vice-Chair of various departments, including Education, Public Relations, 3D Printing, Digital Media, GlassWorks
- As Education chair, built a team of 22 volunteers. Found and trained teachers. Managed class calendar, hundreds of teachers, classes, and pay. Replaced flooring, researched equipment, like the large screen TVs for classrooms.
- As PR chair, added 300 members in 3 months. Managed targeted Facebook advertising. Led the last Open House, with every dept volunteering members to greet and demonstrate for the public
- Trained new teachers and encouraged members to share their skills, as well as how to connect to the community
- Created and led orientation classes for new members, helping them engage in their MakerSpace
- Created Swag/Merch - Screen printed thousands of shirts, Engraved Tumblers, Dye-sublimated Mugs...
- Fundraising: raised over \$15,000 to start & support various departments
- Maintained various machines (Woodworking, Laser, Education, Creative Arts, 3D Printing), as well as the Space in general
- Led Membership meetings, Committee Meetings, and Election Debates

March 2020 - December 2020

ACME MakerSpace, Dallas TX

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- Co-designed Face Shields as emergency PPE during pandemic
 - Worked in process design and manufacture of over 30,000 face shields
 - Helped the VA Hospital System in various Hackathons to solve several issues related to Pandemic

MANAGEMENT AND HIRING EXPERIENCE

2005-Present

Medical Manager for Son

Parent and primary caregiver for my youngest son, a gifted man who has cerebral palsy. Responsible for ensuring he receives necessary services by hiring, managing, & coordinating teams of health care professionals

- Interviewed and hired over 50 Physical Therapists, Occupational Therapists, Speech Pathologists, Home Health Care Nurses, and attendants both through agencies and as a direct employer
- Signed timesheets and supervised home health care visits
- Terminated employment of team members that did not meet his needs
- Changed dozens doctors in various fields to find those experienced & curious enough to help
- Worked with many Durable Medical Equipment companies to find the best solutions to empower son

2013-2019

Director, Committee Chair, Committee Vice Chair @ Dallas MakerSpace

In a volunteer community, it only works if you invite and empower people to help. As a volunteer leading others, delegation and trust is the path to success. Teach people, and let them grow

SKILLS

- Fluent Spanish Speaker & texter
- In addition to the class subjects above, passions include:
 - Jewelry, Ceramics, CNC tools, Metal Work (MIG Welding and Blacksmithing), Airbrushing, and Knife Making are a few
 - Electronics: Microprocessors, including Arduinos and Raspberry Pi, soldering, & motors
 - Sailing, Hiking & Camping, Exploring
- CPR Trained. Used in several real world cases :-/
- Training in Assistive Technology, Communication, Access methods, Speech Pathology (Assistive tech focus), Vision challenges, Movement challenges. Ex: 3 day training in Blind White Cane travel at Texas DARS in Austin (first and only parent to do so)
- Resource for services and programs for people & parents of children with disabilities

EDUCATION

University of Dallas

Bachelor of Arts in Economics, concentration in Psychology

University of North Texas

Bachelor of Business Administration in Finance

Masters of Business Administration in Information Systems - one class shy of degree, leaving for IBM