Val Gliozzi

1055 Jefferson Ave #1, Brooklyn NY 11221 : : vgliozzi@gmail.com : : (908) 581-8949 : : val-gliozzi.github.io

Skilled in the end-to-end prototyping of electrical and mechanical goods:

- ➔ Research
- ➔ Material Selection
- ➔ Mechanical Drawings
- ➔ Manufacturing Files
- ➔ BOM Management
- ➔ Assembly
- ➔ Testing and Troubleshooting
- ➔ Revision; Iterative Design
- ➔ Cost-Downing
- ➔ Component Sourcing
- ➔ Production Scaling
- ➔ Quality Control

Relevant Professional Experience

Lynq Technologies - Associate Engineer

2017-2021

- ➔ Supported engineering team with crucial PCB rework and assemblies, including development and experimental rework
- ➔ Collaborated with business and marketing team to help set goals and expectations and create product definitions
- ➔ Designed and manufactured multiple support products for engineering team, such as breakout boards, test fixtures, and programming/charging shelves
- ➔ Created marketing/fundraising prototypes of companion products such as proof-of-concept, fully-functional drone integration of IoT tracker technology and a charging/deployment case for flagship devices, including all software development and testing
- ➔ Designed, assembled, and tested sales accessories such as development boards, including custom plastic housings
- ➔ Liaised between engineering team and CM to ensure proper assembly of product, including visiting factory on multiple occasions, training line workers, and changing processes to improve efficiency; managed CM relationships
- ➔ Solved 11th hour manufacturing issues in high-stakes, high-pressure situations with serviceable solutions until product design could reach next revision
- ➔ Self-started, self-managed, and solo-developed much of my work to allow other team members to focus on primary objectives

Good Interfaces - Director of Engineering

2020

- ➔ Worked with contract manufacturers to have product samples produced to spec
- ➔ Sourced components that met total BOM cost goals for mass production
- ➔ Revised PCB designs to accommodate component changes
- ➔ Tracked costs of goods and services to ensure profitability was maintained

10x Beta - Contract Engineer

2017-2019

- ➔ Re-worked circuit boards according to revised schematics
- ➔ Devised creative solutions to difficult revision tasks

MIX NYC - Construction Coordinator

2018

- ➔ Communicated with all other departments to determine construction needs for event
- ➔ Drew construction plans for all required builds, ordered necessary materials
- ➔ Managed volunteers' time and organized build dates to ensure on-time delivery

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Haven Cycles - Bicycle Mechanic *2016-2017*

- ➔ Worked with customers to understand issues they perceived with their bicycle, and discussed possible solutions while considering individual budgetary limitations
- ➔ Assessed, diagnosed, built, re-built, and repaired all aspects of bicycles

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Capabilities

Prototyping Platforms: Raspberry Pi, Arduino and compatible clones
PCB: Altium, EagleCAD
2D/3D: OpenSCAD, Solidworks, Meshmixer, Adobe Illustrator, TinkerCAD
Mechanical/Material: Soldering, including SMT, wood, metal, and plastic working with both manual and power tools, MIG welding, 3D printing best use for various methods and materials, laser cutting including ideal materials settings, maintenance and repair of belt and chain driven systems
Documentation: Creating detailed and legible BOMs, assembly instructions, troubleshooting charts, and manufacturing packages
Manufacturing: Assembly line training and oversight, BOM management, cost-downing exercises, material and component sourcing, building and maintaining relationships with contract manufacturers and distributors
Logistics: International UN3481 hazmat shipping
Programming: Python, Java, C++

Personal Projects of Note

- ➔ Retrofitted a 35-foot school bus through engine modification, braking system overhaul, mapping and repairing existing electrical systems, installing solar and new electrical systems, installing plumbing, and designing and building the interior into a comfortable living space
- ➔ Circuit bent tape decks and modified housings as part of the creation of an orchestra of magnetism-based “instruments”
- ➔ Built an arcade cabinet out of e-waste and reclaimed materials
- ➔ Rebuilt a trashed CO2 laser cutter, implementing multiple improvements and missing safety features
- ➔ Selected components and assembled countless custom bicycles including cutting/threading spokes and building wheels on vintage restores through new modern builds

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Education

Associate of Applied Sciences, Information Technology,
Raritan Valley Community College, Branchburg, NJ