



EXPERIENCE

IMAGINE TECHNICAL SERVICES, LLC

Jan. 2023 - Present

Product / Program Manager

As the sole Product and Program Manager for Imagine Technical Services, my role is focused on managing and supporting all existing products and service contracts with our clients. I was recruited by a dear friend of mine to assist with fulfilling a large order made by Carnival Cruise Lines following the COVID-19 pandemic after the owner of the company passed away. Our products and services are predominantly within the electronic payment systems and remote monitoring / automation industries. We serve hundreds of customers within the car wash industry and are developing a product for converting coin-operated machines to accept cashless payments without any major machine modifications. Within the cruise line industry, we manage hundreds of point of sale systems installed on Carnival Cruise Lines (and their partners) ships around the world for operating gaming machines as well as vending and laundry machines.

- Management, design, development, manufacturing, testing and support of all new and existing products.
- Product design, development and management of Imagine Technical Service's proprietary cashless payment system for coin operated machines including arcade games, laundry machines, and other coin-operated machines. This product was built with custom hardware and software, including a mobile app, touch screen POS kiosk, and I/O board with relays for automated machine control.
- Shipped over 200 point of sale unit kiosks to Carnival Cruise Lines in 2023 to get their ships online following COVID in 6 months time. Each unit was designed, assembled and tested in house. Manufacturing was outsourced to vendors for processes such as machining and powder coating. During production of these units, manufacturing time was reduced from 8 hours to 30 minutes with the addition of SOPs, workspace optimization and inventory systems.

COULOIR, INC.

Oct. 2022 - Oct. 2024

CEO / Product Manager

As the Founder and CEO of Couloir, Inc my role was to lead the company with a confident and clear vision for our products and services. Similar to a lot of startups, we pivoted a few times. At first, we were pursuing a technology development agency model and quickly started refining our messaging to appeal to the sUAS (drone) market. Following some successful service contracts, we pursued the development of an ultra small and lightweight gimbal with infrared and electro-optical image sensors, built for small drones in the USA for the public sector.

- Professional services provider including electrical, software and embedded engineering.
- Manufacturing such as 3D printing, machining, CAD, circuit layout and assembly and more.
- Designed, manufactured, assembled and tested a tethered (wired power for infinite flight) drone featuring a spray wand including a high pressure water line (400 PSI) for continuous operation. This product is expected to greatly reduce the cleaning time of food production facilities at meat processing factories for Tyson and others. Operators generate a path for the drone to clean, then the drone's autopilot autonomously navigates around the facility while a high pressure water stream directed by the drone cleans surfaces and equipment of debris.

MODALAI, INC.

Feb. 2021 - Oct. 2022

Product / Program Manager

As the sole product and program manager for ModalAI, I was a direct report to the CEO. My role was to manage all aspects of product development and services for our clients. I was recruited to this role by a former co-worker after funding was secured by the US government for developing the next generation of autopilots for small unmanned autonomous systems. Throughout my time with ModalAI, I built out SOPs, inventory systems, drafted & reviewed contracts, planned and presented at trade shows, created & optimized assembly procedures, defined a change order process, created an RMA process and many more tasks to support a rapidly growing startup.

- Management of professional services and product development for a world leading hardware manufacturer including multiple drone platforms including the world's first 5G drone.
- Oversaw multi-disciplinary teams including electrical, hardware, software and embedded engineering.
- Worked directly with marketing and sales, determined pricing, BOM management and product listings, product photography & videography as well as managing the shopify storefront.

TREELINE INTERACTIVE, INC.

Aug. 2016 - Feb 2021

Technical Product Manager / IoT Solutions Lead

Oversight of all product development, both hardware and software. Specialty in building and integrating with wireless devices leveraging BLE, Bluetooth, WiFi and Cellular radios with an accompanying GUI. Management and design of custom hardware including manufacturing and assembly of PCBs, CAD to 3-d printing as well as assembling prototypes. Duties include management of web and mobile software development teams to achieve stakeholder goals. Advanced knowledge of CLI syntax across platforms such as powershell on windows, vim, vi, nano on embedded and red hat linux are leveraged on a daily basis. Skills include ability to build basic circuitry, knowledge of python, arduino, C, php, html, javascript, linux, swift, API's, understanding of IP enabled devices, networking and hardware connected mobile applications.

	● Design and construction of mechanical assemblies including electronics enclosures for industrial applications. ● Management of enterprise-grade scalable device management SAAS platform. ● Built out a full IoT platform from cradle to grave, including devices, gateways, server infrastructure and the front end GUI to manage devices/users, information databasing, data visualization, and customized business logic for use cases focused on remote monitoring and predictive maintenance as well as remote control. ● Key role in growing the company’s IoT footprint; quoting proposals, drafting contracts, negotiating and closing contracts with fortune 500 companies. ● Hands-on hardware prototyping of complex systems to execute on tight timelines. UNLIMITED TOMORROW, INC. Feb. 2014 - Dec. 2015 Co-Founder / Product Manager / Designer Founding member of the company, operating executive, and engineer. A good friend of mine, Easton, and I were finishing up a kickstarter project while I was finishing my last year of college and he got a call from Tony Robbins who asked to give Easton an angel investment to start a company. At the time, I was working at a law-firm where I was pursuing a legal career. Easton met with Tony in New York that weekend and brought back a legal document for me to have my boss look at. When I handed my boss at the law firm the legal document from Tony, he looked at me and said, “It is the real deal; I recommend you get a good lawyer and good luck.” I put in my two weeks with the law firm and began my professional career co-founding Unlimited Tomorrow, Inc in February of 2014, 2 months after I graduated college. Our pursuit was an affordable 3-d printed robotic arm with myoelectric sensors (sensors that can detect your muscles electrical impulses) and a low profile exo-skeleton for Eastons paralyzed friend to walk for graduation. ● Extensive use of 3-d printers, 4-axis CNC Mill, hand tools, and molding to create custom robotic devices. ● Business operations, strategy, branding, marketing. ● Weekly guidance and mentorship from Tony Robbins. ● Completed business mastery course in Las Vegas, NV in 2015. ● Patent drawing and drafting of an issued patent. ● Product / Program management, 3-d modeling, building complex mechanical assemblies, circuit debugging, and mechanical engineering, among other responsibilities.
ACCOMPLISH (MINTS)	2009: Received the “Always Stays to Clean Up Award” from my long time high school ceramics teacher 2013: Raised \$25k for kickstarter campaign for a desktop robotic hand with servo actuated flexion/tendon joints controlled by a Nintendo Power Glove via WiFi. 2014: Co-founded Unlimited Tomorrow, Inc. with Easton LaChappelle via an angel investment from Tony Robbins with the goal of building a low-profile exoskeleton for individuals who cannot walk on their own free will. 2014: Invited to appear on Season 2 of American Makers TV show. Pitched a myoelectric controlled robotic arm for amputees that was almost completely 3D printed. 2015: Attended Tony Robbins Business Mastery Course in Las Vegas, NV. 2015: Presented a documentary film directed and produced by UPROXX at CES in Las Vegas, NV. 2016: Founding team member of Platform Science in San Diego. 2016: Sculpted Claymation characters for promotion and to provide funding via Kickstarter rewards for “Claydream” with Marq Evans, a documentary film on Will Vinton, the father of claymation. 2017: Designed, built and managed team for the first three stages of product development of MiraLogic™ by Targus – a revolutionary, IoT Connected Workspace Intelligence System. 2018: Patent issued for a Low Profile Exoskeleton by USPTO, US 14/933,584 assigned to Unlimited Tomorrow, Inc. 2019: Designed, built and managed team for a responsive smart rock climbing wall for Brooklyn Boulders. This product used force sensors and LED controllers to allow users to build infinite permutations of rock climbing routes within a grid of LEDs. Holds were outfitted with force sensors to allow route setters to gamify the route and set up “races” between two users who are climbing the same route, with the route continuing to light up after each hold is activated by a hand grabbing hold. 2022: Managed the team which built the first 5G drone in the world with Qualcomm. Managed multiple projects for clients such as MICROSOFT, NASA JPL, DIU, ARMY and more. 2024: Built 3-axis gimbal with thermal and electro-optical image sensors for small unmanned autonomous systems.
SKILLS	Product Roadmapping, Biz Strategy, Technical Strategy, Technical Wireframing, System Diagramming, Technical Design, Functional Prototyping, Figma, Sketch, Contract Drafting & Review, Technical Writing, Graphic Design, Drawing, Painting, Ceramics, Sculpture, Welding, CAD, UX & UI Design, AB Testing, Confluence, Jira, Gantt Charts, Hubspot CRM, Gitflow, Github, Trello, ClickUp, CMS, CRM, Shopify, Machining, Molding & Casting, Electrical Engineering, Mechanical Engineering, Mechatronics, FAA Part 107 Drone Pilot, Jokes, Cleaning Up Big Messes
EDUCATION	Fort Lewis College / Durango, CO / Class of 2013 Bachelor of Arts - Studio Art - Sculptural Ceramics Emphasis - Minor in Business Administration - Minor in Pre-law Extra-curricular activities included MCLA Division II men's club lacrosse for four years and one year on the board of the Associated Students of FLC (ASFLC)