

Professional Summary

- Experienced Professional (U.S. Citizen) with a Master's Degree in Engineering** – Broad engineering and scientific knowledge comprised of hands-on academic coursework including proven experience with planning / scheduling tools. Makes sound decisions quickly and efficiently, even with limited information or under time constraints. Understands existing and future projects, assemblies, sequences, and constraints to actively de-conflict issues with several teams across multiple sites, as well as the ability to devise, maintain, and improve scheduling tools and processes that identify, analyze, and brief potential constraints on a weekly and daily basis. Conduct relevant evaluation from various analytic, computational, parametric, and management tools with the ability to compile, prepare, and present information to management and customers while communicating and working effectively across multiple disciplines, leading to excellent relationship management skills (upward and downward communication). Ability to collaborate and communicate with cross-functional teams to achieve project and mission goals while having a strong sense of follow-up and closure with strict attention to detail, leading to an understanding of the Program Performance Management Process. Highly skilled at taking in large quantities of information and presenting it in a clear and concise manner. Strong mathematical aptitude and data-driven mindset to evaluate information as well as coordinate, maintain, communicate, and present critical path schedules.

Areas of Expertise

- Project Management (**Certificate**)
- IMS (IMP) Development
- Project Planning + Team Leadership
- Systems Engineering
- Virtual (VR)/Artificial Reality (AR)
- Concepts of Operation (ConOps)
- EVM Concepts (Critical Path Analysis)
- Project Planning
- 3D Design / Graphic Design

Softwares: CAD Suite (Revit) | Adobe Suite | Microsoft Project | Excel | OpenPlan | Milestones Pro

Education

Master's Degree (M. Sc) – Space Architecture & Aerospace Engineering – SICSA

University of Houston

Houston, TX

Master's Degree (MUP) – Urban Design Planning

University College Dublin

Dublin, Ireland

Professional Bachelor's (B.Arch) - Architecture & Design, Minor in Classical Archaeology

University of Tennessee

Knoxville, TN

Coursework Completed for Master's Degree Space Architecture & Aerospace Engineering:

Spacecraft/Habitat Design | Mission Planning & Analysis | Man Systems Integration | Space Systems Tech Studio

Professional Experience

Lockheed Martin – Missiles and Fire Control

2025 – Present

Program Planner

- Developed and Maintained an IMS for a series of programs alongside other Planners, Financial Administrators, System Engineers, and Program Managers
- Engineered, Documented, and Elevated multiple Programs through evaluating and integrating Data Driven Metrics into a series of operating systems

University of Houston – NASA Affiliation

2022 – 2024

Project Management Coordinator / Research Administrator

- Partnered with multi-disciplinary development teams at NASA to design Integrated Master Plans (IMPs) and Data Driven Metrics (DDMs) through the use of project planning software's and tools (Microsoft Project and other Gantt style programs)
- Utilized Program Planning and Team Lead Experience to insert calculated Critical Paths into the IMS for more accurate and on-time project proposals.
- Worked as the Team Lead on a series of projects to develop multiple Lunar and Martian based missions that stayed ahead of schedule, within budget, and mitigated any potential risks according to the projected timeline according to the IMP / IMS.
- Developed a high understanding of the Engineering Life Cycle, principles, and practices.

Self-Employed

2017 – 2024

Project Manager + Master Scheduler

- Formulated Network Scheduling with Planning Software's and client based EVM Concepts to maximize revenue.
- Tracked tasks, managed team communications, aligned stakeholder expectations, anticipated potential risks, and drove strategic outcomes.
- Self-starter able to operate with minimal guidance as well as being able to initiate customer communications and develop longer-term understanding and relationships in support of business goals.
- Demonstrated ability to execute multiple internal or external deliverables simultaneously.

- Demonstrated experience driving tasks to closure with resourceful solutions to problems (Ability to create and develop campaign strategy for program portfolio).
- Agile and SCRUM Experience

University of Tennessee

2020 – 2021

Teaching Assistant

- Served as Parametric Design Representation Assistant for third-year Architecture students.
- Leveraged academic acumen to assist students in establishing solid foundation across 3D modeling to seamlessly integrate into generative and pattern-based designs.
- Provided key examples and case studies to students to ensure student comprehension of parametric and generative process design.

Publications + Certifications

Long-term Analysis of Venus' Atmosphere through an In-Situ Research and Technical Demonstration Laboratory

University of Houston, SICSA under supervision of Larry Bell

UH Masters of Engineering/Publication Pending

Anthropocentric Habitation of Mars Through Parametric Design

University of Houston, SICSA under supervision of Olga Bannova

2023 International Conference on Environmental Systems

Thresholds - The Future of the Space In-Between

University College Dublin, UCD under supervision of Miriam Fitzpatrick

UCD Masters of Architecture

Ideas Pocketbook 2024 – Kuja Preliminary Habitat Design

Archisource

2024 Drawing of the Year Competition, Shortlisted Top 250 Drawing

Project Management Certification 2025

Google Certification