

Matthew Kudija

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Education

University of Notre Dame
Master of Business Administration

Notre Dame, IN
2012–2014

University of Notre Dame
B.S. Aerospace Engineering

Notre Dame, IN
2009–2014

Experience

Milestone Aviation Group (GECAS)

Columbus, OH

Manager–Product Strategy

2016–present

Milestone is the world's leading helicopter leasing and financing company with over \$4B of assets. My work combines data analytics and business strategy—with a focus on process automation—to manage and grow our global portfolio.

Data Analytics & Process Automation

- Implemented a comprehensive data analytics strategy to support product marketing, valuations, reporting, and forecasting. This includes the full analytics pipeline: sourcing datasets, centralizing data storage, automating and maintaining analysis, documenting processes, and producing business intelligence dashboards.

Engineering Analysis

- Enhanced helicopter mission performance models to build internal view on asset desirability and to supply customers with detailed helicopter selection guidance optimized for their mission and flight operations.
- Developed comprehensive helicopter maintenance analysis toolkit to ensure value retention between leases on individual aircraft and optimize maintenance spend across the fleet.

Strategy & Market Intelligence

- Managed appraiser relationships to facilitate the annual ~\$4B fleet valuation process, which drives impairment review and depreciation policy. Developed automated internal valuation methodology and tools.
- Presented analytics results to senior management, represented Milestone at industry conferences, participated in strategic negotiations, and selected for GE corporate leadership training.

Space Exploration Technologies Corp. (SpaceX)

Hawthorne, CA

Integration & Test Engineer

2011–2016

SpaceX designs, manufactures and launches advanced rockets and spacecraft. My work contributed to the development of the Falcon 9 booster, the first rocket to successfully land after delivering a payload to orbit in December 2015.

- Developed numerous automation tools to reduce the time required to monitor operations, generate work instructions, and perform tests. Coordinated and prioritized cross-disciplinary assembly activities to ensure vehicle schedule milestones while optimizing concept of operations for systems integration.
- Conducted avionics and propulsion system-level tests including writing procedures, leading test readiness reviews and technician test teams, controlling the launch vehicle, reviewing data, and closing anomalies.
- Implemented design upgrades and corrective actions ensuring vehicle configuration and test readiness, including rigorous off-nominal repairs to return the Falcon 9 fleet to flight following the June 2015 anomaly.

Skills and Interests

Technology: Python (data science stack), SQL, Git, Excel, macOS & Windows, L^AT_EX, CAD, web design

Volunteer: Our Lady of Victory religious education teacher; Boy Scout Troop 169 Assistant Scoutmaster

Hobbies & Other: Reading, writing, camping, hiking, carpentry, tennis, private pilot, Eagle Scout