

# Matthew Kudija

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## Education

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**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

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### 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

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**Technology:** Python (data science stack), SQL, Git, Excel, macOS & Windows, L<sup>A</sup>T<sub>E</sub>X, 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