

Matthew Kudija

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Education

University of Notre Dame

Master of Business Administration
B.S. Aerospace Engineering

Notre Dame, IN

2012–2014
2009–2014

Experience

Milestone Aviation Group (GECAS)

Manager, Product Strategy

Columbus, OH

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 reproducibility and automation—to manage our global portfolio.

- Implemented a comprehensive data analytics strategy including the full analytics pipeline: sourcing datasets, centralizing data storage, automating and maintaining analysis, documenting processes, and producing business intelligence dashboards.
- Designed predictive models using a variety of statistical techniques to solve business problems and generate actionable insights for business partners. One example includes a web-scraping application to source, analyze, and predict global helicopter utilization patterns.
- Presented complex data visualizations to explore and understand unfamiliar data, share insights across the business via online dashboards, and influence strategic decision-making among executives.
- Served as the analytics subject-matter expert within the organization by providing leadership to data initiatives, mentorship and training for analysts, and research into the latest industry best practices.
- Demonstrated the ability to rapidly learn and take the initiative as an internal consultant to identify and implement analytical solutions for ambiguous business problems.
- Worked as a team-player to demonstrate the benefits of analytics across business functions. Demonstrated ability to lead without authority on interdisciplinary and multicultural teams dispersed globally.

Space Exploration Technologies Corp. (SpaceX)

Integration & Test Engineer

Hawthorne, CA

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

Computing: Python data science stack with emphasis on pandas, numpy, scikit-learn, and matplotlib

Technology: GitHub, SQL, Excel, macOS & Windows, L^AT_EX, CAD, web design, Tableau, JIRA, Confluence

Certifications & Awards: GECAS Key Talent Program, Best Initiative Award (2018), AWS Cloud Practitioner

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

Hobbies & Other: Reading, writing, hiking, wood-working/carving, tennis, private pilot, Eagle Scout