Brian Tea, P.E.

Boston, MA | briantea716@gmail.com | www.linkedin.com/in/brian-tea

Professional Summary

Technical Program Manager and **data-focused leader** with **6+** years driving engineering initiatives and guiding technical products from conception to start-up. Proven success in integrated problem-solving, most recently uncovering a synthetic-fraud segment at TD Bank representing ~0.25% of accounts but ~7% of loss dollars through Python, R, and SQL analysis. Skilled in predictive modeling, translating complex workflows into actionable steps, and leading cross-functional teams to drive business outcomes. Pursuing a Master's in Business Analytics at Georgia Tech, eager to leverage this technical foundation to deliver innovative solutions as a **Product Manager**.

Experience

TD BANK **BOSTON, MA**

Graduate Leadership Program Intern | Consumer Products & Credit Management *06/2026 – 08/2026*

- Investigated synthetic identity fraud within the Target Circle Card portfolio, analyzing portfolio and credit bureau data via **Python, SQL, and SAS** to uncover a **high-risk segment representing ~0.25% of accounts but ~7% of loss dollars**.
- Segmented accounts and **evaluated anomalous behaviors and loss patterns** to surface potential fraud indicators for further investigation and validation.
- Partnered with **fraud SME and consumer credit stakeholders** to translate complex analytical findings into actionable business insights supporting fraud detection and portfolio strategy.

THE DOW CHEMICAL COMPANY **HOUSTON, TX**

Technical Program Manager | Senior Mechanical Design Engineer *08/2019 – 10/2025*

- Led end-to-end delivery of **10+ complex programs** (up to $55M), improving operational reliability; delivered a project achieving 90% CO_2 reduction and recapturing 20,000 metric tons of flare gas CO_2.
- Partnered with **global stakeholders** to translate ambiguous needs into clear requirements, execution plans, and success metrics, maintaining alignment across 20+ engineers and other team members.
- Served as a technical **SME** for **robotics** and **automation** deployments, improving safety and operational efficiency through scalable, repeatable implementations.
- **Mentored 5+ interns and junior engineers** and delivered stakeholder-ready readouts that translated technical performance into KPIs and business impact.

Projects

Cloud-Based AI Vendor Risk Assessment (Azure)

- Developed a model to analyze and categorize unstructured vendor inspection reports, partnering with SMEs to define taxonomy, evaluation criteria, and measurable outputs.
- Produced documented workflows and repeatable analysis steps to support consistent classification and stakeholder reporting.

Education

GEORGIA INSTITUTE OF TECHNOLOGY **ATLANTA, GA**

Master of Science, Analytics (Virtual) – GPA: 4.00/4.00 *05/2027*

THE UNIVERSITY OF TEXAS AT AUSTIN **AUSTIN, TX**

Bachelor of Science, Mechanical Engineering with Honors – GPA: 3.83/4.00 *05/2019*