

Maxwell Shepherd

Engineering & Data Science

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EXPERIENCE

The Boeing Company – Everett, WA

- Industrial Engineer III
- Industrial Engineer II
- Industrial Engineer
- Industrial Engineering Intern

August 2023 – Present
April 2021 - August 2023
May 2020 - April 2021
May 2019 - May 2020

- Team Lead for engineering group to support data science, advanced analytics, visualization, and decision-making processes for aircraft production assets
- Writing custom statistical analysis tooling in end-to-end Python/SQL/Tableau stack, used across company
- Developing and deploying data modeling and transformation pipelines, ad-hoc insight generation, KPI visualizations, and automated multi-terabyte data analysis for the organization
- Organizational SME for statistical experimental design, machine learning/AI initiatives, Python data modeling, SQL, and UX development
- Consultant for customer organizations to refine ambiguous requirements into actionable intelligence

The Walt Disney Company – Bay Lake, FL

- Walt Disney World Industrial Engineering Intern

May 2018 - August 2018

- Worked in the internal Industrial Engineering consultancy firm, supporting merchandise and entertainment strategic planning and operations within Walt Disney World
- Performed statistical data analysis, financial estimation, hands-on data collection, and discrete event simulation to provide clients with data-driven solutions and recommendations

PTC Inc. – Needham, MA

- Product Development QA Intern

May 2016 - August 2016

- Worked in CAD software R&D organization, supporting the product feature roadmap and developmental testing processes
- Commissioned and operated R&D additive manufacturing laboratory for use in developing and testing beta features of Creo CAD software

EDUCATION

Purdue University, College of Engineering – West Lafayette, IN

- Bachelor of Science, Industrial Engineering

August 2016 - May 2020

- Cumulative GPA of **3.53** – Dean's List & Semester Honors

SKILLS

Python (Numpy, Pandas, Pytorch, XGBoost, OpenAI), SQL, Teradata, AWS, Tableau, Looker, Snowflake, Grafana, R, MATLAB, SAS, Minitab, InfluxDB, Git, Linux, Microsoft Office / Excel (VBA), SolidWorks