DAN KELLEN

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EDUCATION

UNIVERSITY OF MINNESOTA, Minneapolis, MN
Carlson School of Management
Candidate for **Master of Applied Business Analytics** May 2023

UNIVERSITY OF MINNESOTA, Minneapolis, MN
College of Science and Engineering
Bachelor of Materials Science and Engineering May 2016

EXPERIENCE

UNIVERSITY OF MINNESOTA, Minneapolis, MN
Master of Applied Business Analytics Sept 2021 – May 2023

- Part time analytics program focusing on exploratory and predictive analytics, forecasting, and optimization. Hands on experience with data visualization, data engineering and machine learning.
- Gained valuable experience cleaning, analyzing, visualizing and applying appropriate statistical or machine learning models with Python, R, Tableau and SQL.
- Applied several classification and predictions models to various case study data sets. Including building out a recommendation application utilizing k-means clusters and k-nearest neighbors.

STRATASYS, Eden Prairie, MN
Senior Print Quality Engineer April 2022 – Current

- Optimize hardware, software, and materials performance to enable precise and reliable part quality on high-end additive manufacturing systems; achieved >95% part completion across printer offering
- Created python scripts to automate system motion and collect of sensor data through Jupyter Lab for use in failure analysis and root cause identification
- Mapped error data to part location using Python to give customers insights into where defects lie within the part, increasing customer confidence in 3D printing for manufacturing
- Create studies to analyze the effects of system parameters on system reliability and mechanical properties of printed parts

Print Quality Engineer March 2018 – April 2022

- Developed internal tool using Python for parameter file handling and modification; enables part quality engineers to easily edit and compare 1,000's of system parameters
- Engage customers and collect requirements to deliver benchmark parts to guide early product development for new materials and systems
- Evaluated new suppliers for capital investment in new equipment for exploratory research and development

Associate Print Quality Engineer June 2016 – March 2018

- Won 2017 Stratasys Global CEO Award for continuous engineering effort on global customer adoption of new F123 Rapid Prototyping System
- Led continuous improvement engineering effort on F123 Rapid Prototyping system; resulted in highest selling system in Stratasys history
- Managed international cross-functional team (Israel/China), including operations, R&D, and manufacturing to verify part quality through transition to contract manufacturer. Successfully passed a double-blind part quality review