DAN KELLEN

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OBJECTIVE & SUMMARY

Seeking a dynamic role as a Data Scientist to apply strong analytic skills in developing data-driven insights to inform decision-making in a forward-thinking organization.

- In addition to recently acquired Masters of Applied Business Analytics, 7 years of strategic and detail-oriented engineering experience in research and development.
- Proficient in: Python (Sci-kit Learn, TensorFlow), R, Tableau, SQL, and others.

EDUCATION

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

- Carlson Scholar Award Winner - GPA: 3.93
- Program focused on driving value in an organization by applying data science principles of predictive, prescriptive, and exploratory analytics.

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

EXPERIENCE

ALLIANZ, Minneapolis, MN (via Master of Applied Business Analytics Program) Jan - May 2023
Data Scientist Consultant

- Conducted data mining, cleaning, and feature engineering to identify key variables for efficient modeling.
- Characterized high output producers via k-means clustering, exploratory analytics, and data visualization.
- Presented recommendations to senior management.
  Result: Identified high ROI prospective customers to efficiently guide sales teams for customer growth.

STRATASYS, Eden Prairie, MN (June 2016 – Current)
Senior Print Quality Engineer April 2022 – Current

- Design convolutional neural network (CNN) model to identify print failures using onboard system cameras. Enables the system to pause prints when defects are identified during the build.
  Result: Increases system utilization; saving customers time, money, and material.
- Create Python scripts in Jupyter Lab to automate system motion and collect sensor data.
  Result: Identifies various root causes of system and print failures during development.
- Map error data to part location using Python to identify where defects lie within the part.
  Result: Increases customer insights and their confidence in 3D printing for manufacturing.

Print Quality Engineer March 2018 – April 2022

- Developed internal tool using Python for parameter file handling and modification.
  Result: Enabled engineers to quickly edit and compare 1,000's of system parameters.
- Engaged customers and collected requirements to guide early product development.
  Result: Increased customer adoption of new materials, systems, and software features.

Associate Print Quality Engineer June 2016 – March 2018

- Winner of Global CEO Award for engineering effort on new F123 Rapid Prototyping System.
- Managed international cross-functional team (Israel/China), through transition to contract manufacturer.
  Result: Successfully passed a double-blind part quality review utilizing contract manufactured systems.