GILLES PILON

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SUMMARY

Accomplished and dedicated subject matter expert known for my passion in solving complex problems using Python and machine learning. Proven success in delivering productivity goals while building relationships with internal and external customers. Learn and adapt quickly to new responsibilities, technology, and environments. Strong engineering mindset. Effectively collaborate with team members to exceed expectations.

EXPERIENCE

Self-employed | Ottawa ON | Python Developer + Data Scientist **2022-01 — current**

Provide Python programming, advanced analytics, machine learning, and artificial intelligence solutions.

- Created and published dawgdad, an open-source Python package for data scientists, machine learning engineers, and statisticians. It contains functions for making sense of data to create information and understanding.
- Provide coaching, mentoring, training, and teaching in data science, data wrangling, and analytics, Lean Six Sigma, statistical methods, Python programming, document management, and LaTeX publishing.
- Provide Python solutions for artificial intelligence, task automation, analytics, and LaTeX publishing.

Molex | Lisle IL | Senior Machine Learning Engineer **2020-10 — 2022-01**

Identified, developed, refined, and deployed analytical solutions for Global Quality Compliance Risk.

- Delivered code using Git version control to worldwide distributed teams.
- Python to reduce analytics report 20 h to 5 min, ETL SAP data 4 h to 30 min, part shortage report 14 h to 5 min.
- Machine learning for supplier risk analysis in business continuity planning.
- Supported dispersed teams as expert hacker in Python, BASH, and Git.

United States Gypsum | Chicago IL | Senior Machine Learning Engineer **2018-04 — 2020-10**

Performed supervised machine learning to optimize product, and process factors of gypsum wallboard.

- Designed, code, replaced large scale proprietary SAS with open source Python, saving USD 2 MM per annum.
- Delivered code using Git version control to machine learning teams.

Forte Consulting | Ottawa ON and Chicago IL | Senior Data Scientist **2015-08 — 2018-04**

Developed roadmap for improving how work is performed, resulting in hard savings and faster execution.

- Provided coaching, mentoring, training, teaching in data science, data wrangling, analytics, Lean Six Sigma, statistical methods, Python programming, document management, and LaTeX publishing.
- Built capability in people to enable them to achieve their performance goals.

Kraft Foods | Chicago IL | Master Black Belt **2010-10 — 2015-08**

Led Lean Six Sigma education, training, and coaching for Kraft Foods Group. Designed, delivered training in problem solving, statistical methods, advanced analytics, and continuous process improvement.

- Trained 65 Master Black Belts, 250 Black Belts, and 150 Green Belts. Each person delivered median USD 1.2 MM per year of project work, for an annualized impact of USD 280 MM per annum hard savings.
- Coached 465 Master Black Belts, Black Belts, and Green Belts.
- Led collaborative network of 65 Master Black Belts.
- Managed all training content, design, delivery, and the certification of Black Belts and Master Black Belts.
- Developed algorithms in linear algebra, vector calculus, matrices, statistics, and measurement system analysis.
- Managed corporate SharePoint of intellectual property.

SKILLS

Python, pytest, Git GitHub distributed version control, software development, robotic process automation, artificial intelligence, machine learning, PostgreSQL, LaTeX, Linux, bash shell scripting, Markdown, CommonMark, Matplotlib, scikit-learn, pandas, algorithms, design of experiments DOE, coaching, problem solving.

EDUCATION

Bachelor Engineering, Metallurgical Engineering, McMaster University, Hamilton ON