BRIAN A. SWARD

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PYTHON DEVELOPER | DATA ANALYST | LEAN SIX SIGMA SPECIALIST

Python developer possessing a fluidity in mathematics. Passionate about how software engineering can enhance the quality of life. Eager to leverage the ethos of continuous education, adaptability, accountability, and advanced exposure to analysis methodologies ultimately seeks gainful employment and the mental stimulation provided within the constantly changing nature of the software engineering field.

TECHNICAL SKILLS

Languages: Python, C++, JSON, CSS, HTML, Javascript, SQL, Markdown

Skills and Tools: PyCharm, VS Code, Jupyter, Django REST API, Pandas, PySciKit, Docker, BeautifulSoup, Excel, Google Sheets, Tableau, WSL, Ubuntu, NumPy, Django, MongoDB, Matplotlib, Seaborn, Chart.JS, Certified Lean Six Sigma and Google Project Management, Budget Analysis, API Engineering, Data Mining, Data Cleaning, Data Visualization, Database Management, Cross-Functional Collaboration, Technical Instruction, Agile and Waterfall Methodologies, Exploratory, Quantitative, and Qualitative Data Analysis.

EDUCATION | CERTIFICATIONS

Bachelor of Arts (B.A.) Mathematics | Wesleyan University
Lean Six Sigma Green Belt Certification | Syracuse University
Google Data Analytics Certification | Google | Coursera
Advanced Software Development in Python Certification | Code Fellows

PROFESSIONAL EXPERIENCE

Sage Door Holdings| Seattle, WA   2018 – 2022
Product Development Analyst

Operated as Director of New Products. Provided aid to senior executive leadership in the bidding process and production estimates to bring new ideas to market.

- As a new company in an emergent field, they developed a data-oriented business model that employed advanced excel skills to optimize and generate per-unit profit margins on future products. This model secured a contract for more than 40% of our market in late 2018.
- Coordinated; all production cycles, product design, sourcing, timeline management, and project closures.

Managing Director

Responsible for multiple processing plants and farms throughout Oregon and Washington.

- Created data dashboards to measure production metrics, output visualizations, cost per unit, production estimates, and time remaining to produce.
- Developed and employed Monte-Carlo methods in excel to assess farm profitability; initiated Enterprise Resource Planning (ERP) implementation in 2 separate facilities.

Circanna LLC| Seattle, WA   2015 – 2018
General Manager | Operations Manager

Utilized skills such as data analysis, spreadsheets, budget analysis, and logistical management to make effective company decisions while in adherence to local, state, and federal regulations.

- After a company-wide restructure, led a data mining initiative to render operational business intelligence, which increased sales by over 400% in the 12 months after program completion.
- Used Lean Tools (5s, Poka-yoke, Gemba, Kanban, JIT/Pull Manufacturing) to reduce steps, eliminate waste, and initiate continuous improvement principles.