Brian Coffey

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SUMMARY

Experienced leader in machine learning, operations research, and data science, skilled in crafting data strategy, building high-performing teams, and delivering impactful solutions.

PROFESSIONAL EXPERIENCE

Director of Data Science
EquipmentShare | Remote | Feb 2023 – Oct 2024
- Built the Algorithms & Inference organization, transforming two underperforming teams of 10 people into three high-caliber machine learning, data science and data engineering teams of 18 (including 5 exits).
- Partnered with executive leadership to align technical innovations with business objectives.
- Spearheaded initiatives in LLM-based tools for heavy equipment mechanics, predictive maintenance, inventory optimization, data modeling and ML ops architecture, driving rapid innovation and impact.

Senior Data Scientist → Senior Manager → Interim Director of Operations Algorithms & Software Architect
Stitch Fix | Global | Aug 2015 – Dec 2022
- Led teams of up to 15 data scientists and engineers, driving key algorithmic advancements.
- Refined and managed the stylist task assignment service that generated over $10M in annual revenue.
- Scoped and resolved technical bottlenecks for international expansion.

Principal Scientific Engineer
Lawrence Berkeley National Laboratory | Berkeley, CA | 2013 – 2014
- Pioneered advanced control strategies for efficient building systems using edge and cloud computing.
- Designed models to analyze energy efficiency opportunities across the US and UK building stocks, influencing state and national energy policies.

Consultant & Advisor
Various Roles | 2012 – Present
- Advised on technical strategy, product and organizational development, and developed custom solutions.

EDUCATION

LEAD Professional Certificate
Stanford GSB | 2024

Graduate Certificate, Statistics
Stanford University | 2022

Micromasters in Supply Chain Mgmt
MITx | 2021

also: **Post-Doctoral Fellowship**
Insight Data Science | 2015

Ph.D., Architecture (Building Science)
UC Berkeley | 2011

M.A.Sc., Building Engineering
Concordia University (Canada) | 2008

SKILLS

- **Programming & Tools**: Python, R, JavaScript, AWS
- **Applied Science & Math**: A/B testing, analytics, ML, OR
- **Leadership**: Technical strategy, organizational design, recruiting, change management, cross-functional collaboration
- **Specialized Skills**: Data visualization, architectural simulation

SELECTED PROJECTS

- **Repeated Inventory Sampling (Stitch Fix)**: Identified, scoped, staffed and championed a combination of operations and styling algorithms worth $10M+ in annual revenue | 2022
- **Stitch Fix Algorithms Tour** ⧉ : Recognized in industry blogs and featured in business school case studies, and shortlisted for the Information is Beautiful Awards | 2017
- **Control Optimization** ⧉ : Automated pre-compute of optimal control for dynamic facades using detailed models and AWS, returning an interpolation table for practical real-time use | 2013