BRIAN COFFEY

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EXPERIENCE

Stitch Fix, Data Scientist   Aug 2015 - present
- Developing tools and performing business analysis as part of the Algorithms team
- Projects have included the development of a stylist management tool, conception and prototyping of an automated photo-based measurement system, and a major PR scrollytelling animation

Texture Data + Design, Founder   Sep 2016 - present
- Texture is an experimental workshop at the intersection of data science and design
- Building on five years of part-time freelance software development and consulting experience in data science and architectural engineering. Incorporated in NY, member of IdeaSpace Cambridge

Lawrence Berkeley National Lab, Principal Scientific Engineering Associate   Mar 2013 - Feb 2014
- Developed and tested methods for optimization-based control of building systems using photometric and thermodynamic system models, cloud computing and embedded computing
- Modeled large stocks of buildings for portfolio efficiency and policy analysis, including for the UK in an overlapping position as Research Associate at the University College London Energy Institute
- Research career stats, including previous research positions at LBNL and Public Works Canada: 8 journal papers, 12 conference papers, 708 citations, h-index=10

Atelier Ten, Environmental Designer   2010-2012
- Advised architecture and engineering project teams on energy efficient design
- Developed Python and AWS extensions to energy analysis tools for interactive design and analysis

EDUCATION

Insight Data Science: Postdoctoral Fellow / Data Science Leader   2015 / 2017
HBX | Harvard Business School: Credential of Readiness (CORe), Pass with High Honors   2016

Ph.D., Architecture, University of California Berkeley   2011
Minors: Controls (Mech Eng), Operations Research

M.A.Sc., Building Engineering, Concordia University (Montreal)   2008
Preceeded by undergraduate Mechanical Engineering courses at U Victoria (2002-2005)

B.A.Sc.{Hon}, Arts & Science, McMaster University   2003

SKILLS

Analysis: Python (Pandas, Numpy, SciPy, SciKit-Learn), R, AWS (EC2, S3, some EMR and Elasticache), SQL
Visualization and Design: JavaScript (D3, React), Adobe Illustrator, Rhino