

Brian J. Spiering

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EDUCATION

University of San Francisco

August 2021 (Expected)

M.S. in Data Science

Courses: Machine Learning, Statistics, Computer Science,

San Francisco State University

2001

B.A. in Psychology & Speech Communication

WORK EXPERIENCE

University of San Francisco

Assistant Professor

Jan 2018 – Present

- Teach Data Science and Computer Science courses in Natural Language Processing, Machine Learning, Artificial Intelligence, and Computer Programming
- Director of Peer-to-Peer Computer Science Tutoring Center (Spring 2018)

Indigo Project

Machine Learning Engineer

May 2017 – Dec 2017

- Founding technical member of an Artificial Intelligence (AI)-first stealth mode startup
- Architected and coded a distributed Deep Learning system to automatically correct grammar and rewrite sentences.
- Developed cutting-edge solutions for Natural Language Processing, Understanding, and Generation (respectively – NLP, NLU, and NLG).

Galvanize / University of New Haven

Data Science Professor

June 2015 – Dec 2017

- Taught graduate-level Data Science curriculum. Specializing in Natural Language Processing (NLP), Machine Learning, Data Engineering, Deep Learning, and Artificial Intelligence (AI).
- Mentored students and helped them connect the dots between Data Science and business. Supervised work with industry partners.

LiveCareer (now BOLD)

Data Scientist

Aug. 2014 – June 2015

- As the first Data Scientist at LiveCareer, defined the vision for data science. Built and led a team to realize that vision.
- Company-wide technical lead on data analysis, applied Deep Learning, search engineering, information retrieval, building a Big Data platform, and creating data-driven back-end services.
- Architected and coded Machine Learning and Natural Language Processing (NLP) data pipelines.

TECHNICAL SKILLS

Languages & Technologies: Python, Scala, R, SQL, TensorFlow, Spark, Hadoop, AWS

Coding examples: github.com/brianspiering