

NATHAN BICE

New York, NY
nmb2138@caa.columbia.edu

EDUCATION

University of Wisconsin: Madison, Madison, WI
Mathematics and Philosophy, B.A.
(Comprehensive Honors)

Honors Thesis on formal models of belief revision:
“Old Evidence, Belief Revision, and Ranking Theory”

Peking University, Beijing, China
Mandarin Chinese, 1-year program

Columbia University, New York, NY
Philosophy, M.A.

Columbia University, New York, NY
Philosophy, M.Phil.

Columbia University, New York, NY
Philosophy, Ph.D.
Dissertation: “Thoughts about Thoughts”

WORK EXPERIENCE

Rockstar Games

Data Science Manager - Emerging Talent

I am expanding and developing Rockstar's world-class data science and analytics team. My main project is to build and lead a top-notch data science internship program.

New York, NY
July 2022 – Present

Artefact

Senior Data Scientist

I served as lead data scientist and technical subject matter expert for U.S. consulting engagements, primarily servicing clients in digital marketing, data transformation, and digital media.

New York, NY
Oct 2021 – June 2022

American Express

Senior Manager - Risk Management (Machine Learning)

I engaged in research and used cutting-edge machine learning models in order to improve AmEx's ability to predict default and detect fraud.

New York, NY
April 2019 - Oct 2021

Management Consultant

I was the primary global trainer for American Express employees working with the big data ecosystem, including data extraction, analytics, and machine learning using Hive, PySpark, Python, and SAS.

Feb 2018 - Mar 2019

BDIPlus

Data Scientist

I used cutting-edge machine learning to develop predictive models and clustering algorithms, in addition to performing general analytics and software development.

New York, NY
Dec 2017 - Mar 2019

Confidential Client, Billion Dollar Hedge Fund

AI Independent Consultant

I investigated and provided tailored guidance to client's research proposal pertaining to artificial intelligence, and offered unique, self-developed insight into the direction of the field and investment strategy.

New York, NY
Spring 2016

Private Tutor

Subjects included: Bayesian decision theory, probability theory, calculus, logic, Kantian philosophy.

New York, NY
Fall 2011 - Fall 2017

Bice Industries

Founder

I imported luxury Japanese chalk for professional mathematicians and other academics.

New York, NY
Fall 2010 - Fall 2011

Columbia University

Teaching Assistant

I held weekly office hours and graded homework, exams, and papers.

New York, NY
Sept 2010 – Dec 2014

FELLOWSHIPS

Columbia University

Graduate Researcher/Faculty Fellow

New York, NY

Sept 2009 – Sept 2010 / Spring 2014, Spring 2015

GSAS Named Fellowship

Fall 2011 - Spring 2012

ADDITIONAL INFORMATION

Skills: Python, SQL, Apache Spark, Hive, Hadoop, SAS, Mathematical Logic, Machine Learning

Languages: English (native), Mandarin Chinese (proficient), German (light reading)