

Benjamin Ticknor

978-505-7967 | ticknorbenjamin@gmail.com | github.com/bticknor | linkedin.com/in/bticknor/

EXPERIENCE

UKG Inc.

Senior Data Scientist, AI Research

Graduate Intern

Boston, MA

June 2022- Sept. 2023

June 2021- Aug. 2021

- Designed, tested, and deployed a self-attention based representation learning model to rank applicants for job postings on the UKG recruiting platform
- Contributed significantly to the production code base for the model (Python/PyTorch), which demonstrated a 20% improvement in predictive power over the previous approach

University of Chicago Department of Statistics

Paid Researcher (for Dr. Yali Amit)

Chicago, IL (remote)

May 2022-December 2022

- Trained and experimented with convolution based variational autoencoder for use in image reconstruction as part of a novel occluded object detection algorithm (paper in preprint [here](#))
- Implemented (Python/PyTorch) routines for training models on a multi-GPU machine

True Fit Corporation

Senior Science Analyst

Science Analyst

Boston, MA

April 2018- May 2020

Sept. 2017 - April 2018

- Researched and implemented (Python) a Poisson-regression based alternative to conventional A/B testing for use in evaluating the efficacy of the core product
- A/B test alternative demonstrated superior statistical properties to conventional testing with small treatment groups

EverQuote Inc.

Senior Quantitative Analyst

Quantitative Analyst

Cambridge, MA

June 2016 - Aug. 2017

July 2015 - June 2016

- Designed and wrote (Python) a tool to optimally bid on search engine ads using a generalized method of moments approach to estimate blind auction bid dynamics, scaled the auto-bidder to spend ~ \$40,000/day in ad budget

PATENTS

- “System and Method for Rating Golf Courses” – (pending) US Patent Application No. 18/128,667 – Date of Application: March 30, 2023

EDUCATION

The University of California

PhD in Statistics

- Focus on Bayesian methods and probabilistic modelling

Santa Cruz, CA

Sept. 2023 - Present

The University of Chicago

Master of Science in Statistics

- Relevant coursework: functional analysis, mathematical statistics, distribution theory, machine learning

Chicago, IL

Sept. 2020 – May 2022

Dartmouth College

Bachelor of Arts in Economics, Mathematics (minor)

- Varsity football 2011-2014, rush chair of Gamma Delta Chi fraternity, math and economics student tutor

Hanover, NH

Aug. 2011 – June 2015

SKILLS

Languages: Python, C++, R, Bash, SQL

Libraries / Frameworks: Spark, Hadoop, PyTorch, CUDA

Developer Tools: Git, Docker, cloud computing (AWS, GCP)

PERSONAL

- Avid spearfisher, surfer, and golfer