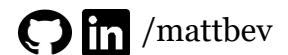


Matt Beveridge



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Education

Massachusetts Institute of Technology

MEng in Computer Science and Electrical

Engineering – Artificial Intelligence

September 2020 – June 2021 | Cambridge, MA

Massachusetts Institute of Technology

B.S. in Computer Science and Electrical Engineering

B.S. in Mathematics

Minor in Theater Arts

September 2016 – June 2020 | Cambridge, MA

Research

MIT CSAIL – Data-Driven Inference Group

Toward the Optimal Pooling Layer

September 2019 – May 2020 | Cambridge, MA

- Created innovative neural network layers.

MIT Media Lab – Camera Culture Group

Computer Imaging Through Fog

September 2018 – February 2019 | Cambridge, MA

- Improved autonomous vehicle sensing in fog.

MIT CSAIL – Interactive Robotics Group

Advancing AI Decision Making

February – May 2017 | Cambridge, MA

- Made AI decision making more human-like.

Coursework

* Audited † Current

Machine Learning (6.867[†], 6.036)

Meta Learning (6.883[†])

Artificial Intelligence (6.034)

Deep Learning (6.S191)

Numerical Analysis (18.335)

Advanced Algorithms (6.046*, 6.006)

Advances in Computer Vision (6.819)

Algorithmist's Toolkit (18.408)

Seminar in Information Theory (18.424)

Elements of Software Construction (6.031)

Probability and Random Variables (18.600)

Stochastic Processes (18.615)

Statistical Thinking and Data Analysis (15.075)

Graph and Combinatorial Theory (18.217*)

Linear Algebra (18.06)

Differential Equations (18.03)

Fundamentals of Programming (6.009)

Skills

Currently Using: Python, Java, Julia, R, Git, Linux

Familiar With: C++, C#, SQL, JavaScript, HTML, CSS, React, LaTeX, QT, AWS

Experience

MIT Driverless

Team Lead

August 2020 – Present | Cambridge, MA

- Competing in the Indy Autonomous Challenge.

Draper Lab

Machine Learning Researcher

June – August 2020 | Cambridge, MA

- Formulated generalized uncertainty quantification methods with application in model-based reinforcement learning.

NASA

Research Software Engineer

June – August 2019 | Houston, TX

- Advanced the HIVE project, analytics, and prototypes for the ISS, Orion spacecraft, and Gateway lunar-orbit space station.

General Atomics ASI

Machine Learning Engineer

June – August 2018 | San Diego, CA

- Developed methods of visual QA using deep learning, culminating with Alpha deployment to production.

Inference

Data Scientist

February – June 2018 | Cambridge, MA

- Performed sentiment analysis of media and parsed disease indicators to map relational trees by semantic association.

Mosaic Power

Software Engineer

June – August 2017 | Frederick, MD

- Led development of a novel energy optimization method.

Leadership & Activities

MIT Applied Machine Learning (6.862)

Graduate Teaching Assistant

MIT EnergyHack

Director of Corporate Relations

Delta Kappa Epsilon Fraternity

Treasurer, Sigma Tau Chapter

MIT Football

Team Member, Academic All-Conference