Matt Beveridge

/mattbev

Frederick, MD | (301) 788-3953 | mattbev@mit.edu | mattbeveridge.com

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.

Selected Courses

* Audited † Current

AI/ML: Machine Learning (6.867†, 6.036); Artificial Intelligence (6.034); Deep Learning (6.S191); Computer Vision (6.819)
Math: Numerical Analysis (18.335); Algorithms (18.408, 6.046*, 6.006); Information Theory (18.424); Probability (18.600); Stochastic Processes (18.615); Statistical Thinking & Data Analysis (15.075); Graph & Combinatorial Theory (18.217*); Linear Algebra (18.06); Differential Equations (18.03)
Robotics/Programming: Intelligent Robot Manipulation (6.881†); Elements of Software Construction (6.031); Fundamentals of Programming (6.009)

Projects

(full list at mattbeveridge.com/portfolio)

Blacktip Python Library: SEC fundamentals analytics package. Hosted here: https://pypi.org/project/blacktip/.

Experience

MIT Driverless
Team Lead
August 2020 – Present | Cambridge, MA
- Competing in Roborace and 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.

nference
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

Skills

Currently Using: Python, Java, Julia, R, Git, Linux
Familiar With: C++, C#, SQL, JavaScript, HTML, CSS, React, LaTeX, QT, AWS