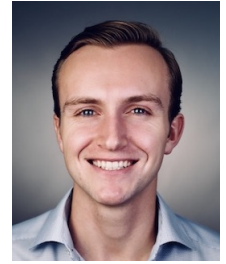


Dylan Labatt Randle

[Website](#) • [LinkedIn](#) • [GitHub](#) • [Scholar](#)



SUMMARY

Artificial intelligence (AI) scientist, engineer, and leader with 5+ years experience and proven track record building and deploying AI systems for robotics, computer vision, and natural language processing.

EXPERIENCE

Senior Applied Scientist

Amazon

North Reading, MA, USA

Jul 2020 – Present

- Led team of scientists developing AI systems for robotic manipulation and path planning
- Delivered performance improvements of +35% and cost savings of \$10 million/year
- Named inventor on multiple patents

Data Scientist

Hubdoc (acquired for \$70MM USD)

Toronto, ON, Canada

Feb 2017 – Jul 2018

- Started and led machine learning (ML) team at successful startup from ideation to production deployment
- Developed & deployed AI system for natural language processing of financial documents, reducing data extraction time by 99% compared to manual processes
- Built the entire ML stack from model training to production inference

EDUCATION

Harvard University

Master of Science in Data Science (GPA: 4.0)

Cambridge, MA, USA

Aug 2018 – May 2020

- Recognized with Scholarship in Applied Computation and Distinction in Teaching
- Research and coursework focused on machine learning
- Thesis: "Unsupervised Neural Network Methods for Solving Differential Equations"

University of California, Berkeley

Bachelor of Science in Industrial Engineering & Operations Research (GPA: 3.9)

Berkeley, CA, USA

Aug 2012 – May 2016

- Recognized with High Honors (*magna cum laude*) and Frank Kraft Award
- Inducted into Phi Beta Kappa, Tau Beta Pi, Alpha Pi Mu
- Coursework focused on statistics and optimization

SAMPLE PROJECTS

- **Grasp Learning for Robotic Item Manipulation:** Developed ViT and PointNet models for learned grasp generation and ranking. Deployed to production with 36% reduction in grasp failures.
- **Computer Vision for Robotic Damage Detection:** Developed ResNet-based visual anomaly detection model for damage detection. Achieved +25% improvement in performance in offline testing.
- **Simulation-Based Optimization for Robotic Path Planning:** Developed simulation-based optimizer for path planning on fleets of thousands of mobile robots. Achieved +10% improvement in robotic system throughput. Paper published at internal conference.

TECHNICAL SKILLS

- **Languages:** Python, C++, Javascript/Typescript, SQL
- **Libraries:** PyTorch, Keras/Tensorflow, OpenCV, Open3D, Pandas, NumPy, SciPy, Scikit-Learn, React
- **Platforms:** AWS, Docker, Firebase, Linux, MacOS