Dylan Randle

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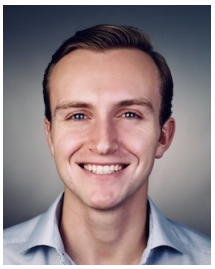

RELEVANT EXPERIENCE

- **Amazon Robotics**
  Data Scientist II – North Reading, MA
  Led development of optimization algorithms for robot path planning. Demonstrated +10% performance improvement and potential cost savings of $150M/year. Paper accepted for presentation at internal conference (4% acceptance rate).
  July 2020 - Present

- **Harvard University**
  Teaching Fellow – Cambridge, MA
  Prepared lecture materials on neural networks and tree-based ensemble models. Led hands-on lab sessions covering AWS, Hadoop, Spark, OpenMP, MPI. Awarded "Special Distinction in Teaching".
  October 2019 - May 2020

- **Amazon Robotics**
  Data Scientist, Intern – North Reading, MA
  Designed and developed automated machine learning (AutoML) library for trillion-row datasets. Reduced time and complexity of data preparation, model training, and result interpretation.
  May 2019 - August 2019

- **Hubdoc**
  Data Scientist – Toronto, Canada
  Designed, developed, and deployed natural language processing (NLP) system for extracting key information from invoices, bills, and receipts. Served tens of thousands of customer inference requests per day with $\leq 2s$ latency.
  February 2017 - July 2018

TECHNICAL SKILLS

- **Languages**: Python (numpy, pandas, pytorch, keras), SQL
- **Tools**: Git, Conda, Jupyter, Docker
- **Platforms**: AWS

EDUCATION

- **Harvard University**
  M.S. Data Science
  Thesis: "Unsupervised Neural Network Methods for Solving Differential Equations".
  September 2018 - May 2020

- **University of California, Berkeley**
  B.S. Industrial Engineering & Operations Research
  Courses: Statistics, Optimization, Machine Learning, Stochastic Processes, Simulation.
  September 2012 - May 2016

SELECTED PROJECTS

- Unsupervised Learning of Solutions to Differential Equations with GANs
  `dylanrandle.github.io/projects/denn/deqgan.html`
- Generating Faces with a ResNet VAE
  `github.com/dylanrandle/deepgen`
- Learning Interpretable Decision Sets for Healthcare with RL
  `dylanrandle.github.io/projects/irl/irl.html`

RECOGNITIONS

- Special Distinction in Teaching (Harvard University, 2020)
- Scholarship in Applied Computation (Harvard University, 2019)
- High Honors at Graduation (UC Berkeley, 2016)
- Dean's Honors (UC Berkeley, 2012 - 2016)
- Frank Kraft Award (UC Berkeley, 2012)

CERTIFICATES

- Divide and Conquer, Sorting and Searching, and Randomized Algorithms (Coursera: ZQ5K6VY43UN5)
- Graph Search, Shortest Paths, and Data Structures (Coursera: ERUDV3QR9773)