

dhruvrajan

technical skills

Python, Scala, Java, C/C++, Haskell, Unix, Git, HTML5, CSS3, JavaScript, SQL, **LAT_EX**
Packages: PyTorch, TensorFlow, nltk3, numpy, pandas, scipy, scikit-learn, OpenCV, Spark

contact

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interests

artificial intelligence,
machine learning,
bayesian modeling,
randomization

work experience

2019 (now)	Uber A.T.G. (Advanced Technologies Group) <i>Software Engineering Intern (Motion Planning for Self-Driving)</i>	Pittsburgh, PA
2018	Uber Inc. <i>Software Engineering Intern (Maps)</i> <ul style="list-style-type: none">Developed Spark pipelines to generate vector tilesets for accurate display of rich map features.Automated map generation from GPS traces using Hidden Markov Models.	Palo Alto, CA
2016	Viabot (viabot.co) <i>Software Engineer</i> Put together and programmed electrical system for a prototype outdoor robot.	(formerly Gnetic, Inc.) Palo Alto, CA
2014	Declaral, Inc. (www.declaral.com) <i>Data Science Intern</i> Developed a text tagging system for online documents, using python and techniques from text-retrieval, machine learning, and natural language processing.	Palo Alto, CA
2014	Whodini, Inc. <i>Software Engineering Intern</i> Worked on topic-classification pipelines for identifying experts in large teams.	(acquired by Declaral, Inc. in 2014) Los Altos, CA

education

2016-2019	The University of Texas at Austin  B.S. Computer Science, Turing Scholar CS 377P Programming for Performance, CS 361S Network Security & Privacy (audit) CS 388G Natural Language Processing, CS 395T Computational & Statistical Learning Theory, CS 378H Data Mining, CS 343H Artificial Intelligence, CS 378 Randomized Algorithms, CS 331H Algorithms & Complexity, CS 353 Theory of Computation, CS 439H Operating Systems, CS 429H Computer Architecture, CS 314H Data Structures, CS 311H Discrete Math	Austin, TX
2012-2016	Gunn High School Online: Intro to Computational Thinking and Data Science (MIT 6.00x), Algorithms 1, Part 1 (Princeton), Principles of Functional Programming in Haskell (TU Delft)	Palo Alto, CA

projects

2019-now	Tensorflow Keras for Java github.com/dhruvrajan/tensorflow-keras-java Los Altos, CA Developing a high level training API on TensorFlow Java, based on tf.keras
2018-Now	UTCS: TAUR NLP Group Austin, TX Research in NLP with applications in the medical field. (with Prof. Greg Durrett)
2017	UTCS: Programming Languages github.com/dhruvrajan/probabilistic-haskell Austin, TX Worked on a system for functional probabilistic programming in Haskell.
2016	scrivener.ai github.com/dhruvrajan/scrivener.ai MHacks; Detroit, MI Structural “note-taking” service to increase meeting productivity using NLP.
2013-2016	GRTPyFramework (GRT # 192) gunnrobotics.com , github.com/grt192 Palo Alto, CA Developed robotics control system in python for Gunn’s entry in the FIRST robotics competition. Won the <i>Innovation in Control</i> award at the 2016 Milwaukee Regional for automatic vision-aided aiming, and controllable design.

