

dhruvrajan

technical skills

Python, Scala, Java, C/C++, Haskell, Unix, Git, HTML5, CSS3, JavaScript, SQL, L^AT_EX
Packages: nltk3, numpy, pandas, scipy, scikit-learn, OpenCV, Spark

contact

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github.com:dhruvrajan

interests

artificial intelligence,
machine learning,
randomization,
statistical learning
theory

work experience

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

2016-2020	The University of Texas at Austin B.S. Computer Science, Turing Scholar 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 High School Diploma 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

2017	UTCS: Programming Languages Worked on a system for functional probabilistic programming in Haskell.	Austin, TX
2016	scrivener.ai Using NLP and Speech Recognition to structurally transcribe audio from meetings to increase productivity. https://github.com/dhruvrajan/scrivener.ai	MHacks; Detroit, MI
2013-2016	GRTPyFramework (GRT # 192) See: gunnrobotics.com , github.com/grt192 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.	Palo Alto, CA
2014	15th Place in picoCTF Competed in a cyber-security "capture-the-flag" tournament; won 15th place out of 3000 teams.	Carnegie Mellon picoCTF