

dhruvrajan

technical skills

Python, Scala, Java, C/C++, Haskell, Unix, Git, HTML5, CSS3, JavaScript, SQL, \LaTeX
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

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| 2018 | Uber Inc. Palo Alto, CA
<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. |
| 2016 | Viabot (viabot.co) Palo Alto, CA
(formerly Gnetic, Inc.)
<i>Software Engineer</i>
Put together and programmed electrical system for a prototype outdoor robot. |
| 2014 | Declarra, Inc. (www.declarra.com) Palo Alto, CA
<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. |
| 2014 | Whodini, Inc. Los Altos, CA
(acquired by Declarra, Inc. in 2014)
<i>Software Engineering Intern</i>
Worked on topic-classification pipelines for identifying experts in large teams. |

education

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| 2016-2020 | The University of Texas at Austin  Austin, TX
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 |
| 2012-2016 | Gunn High School Palo Alto, CA
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) |

projects

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