dhruvrajan

technical skills

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

work experience

2019 **Uber A.T.C.** (Advanced Technology Center) Pittsburgh, PA
Software Engineering Intern (Motion Planning for Self-Driving)
Upcoming internship for summer 2019.

2018 **Uber Inc.** Palo Alto, CA
Software Engineering Intern (Maps)
- 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)** (formerly Gnetic, Inc.) Palo Alto, CA
Software Engineer
Put together and programmed electrical system for a prototype outdoor robot.

2014 **Declara, Inc. (www.declara.com)** Palo Alto, CA
Data Science Intern
Developed a text tagging system for online documents, using python and techniques from text-retrieval, machine learning, and natural language processing.

2014 **Whodini, Inc.** (acquired by Declara, Inc. in 2014) Los Altos, CA
Software Engineering Intern
Worked on topic-classification pipelines for identifying experts in large teams.

education

2016-19/20 **The University of Texas at Austin** Austin, TX
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

2012-2016 **Gunn High School** Palo Alto, CA
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

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
Using NLP and Speech Recognition to structurally transcribe audio from meetings to increase productivity.

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 *Innovation in Control* award at the 2016 Milwaukee Regional for automatic vision-aided aiming, and controllable design.

contact

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interests

artificial intelligence,
machine learning,
bayesian modeling,
randomization