dhruvrajan

technical skills

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

work experience

2017-Now **UT Austin Computer Science** Austin, TX
Undergraduate Researcher (advisor: Prof. William Cook)
Developing a system for functional probabilistic programming in Haskell.

2016 **Gnetic, Inc. (www.gnetic.com)** Palo Alto, CA
Software Engineer
Put together and programmed electrical system for a prototype using an Arduino and RaspberryPI, and an Android controller.

2014 **Declara, Inc. (www.declara.com)** Palo Alto, CA
Data Science Intern
Developed 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 workforce engagement and expert identification.

education

2016-2020 **The University of Texas at Austin** Austin, TX
B.S. Computer Science, Turing Scholar
CS 343H Artificial Intelligence, CS 353: Theory of Computation, CS 429H Operating Systems, CS 429H: Computer Org & Architecture, CS 314H Data Structures, CS 311H Discrete Math, M 340L Linear Algebra, M 362K Probability 1, Multivariable & Vector Calculus

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

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, gunnrobotics.com)** 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. See (github://grt192).

2014 **15th Place in picoCTF** Carnegie Mellon picoCTF
Competed in a cyber-security "capture-the-flag" tournament; won 15th place out of 3000 teams.

contact

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in://dhruvrajan
github://dhruvrajan

interests

probabilistic programming, bayesian machine learning, functional programming