

# dhruvrajan

## technical skills

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

## contact

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[in://dhruvrajan](https://in.dhruvrajan)  
[github://dhruvrajan](https://github.com/dhruvrajan)


## interests

artificial intelligence,  
machine learning,  
randomization,  
statistical learning  
theory

## work experience

- May 2018 **Uber Inc.** Palo Alto, CA  
*Software Engineering Intern (Maps)*
- 2016 **Gnetic, Inc.** ([www.gnetic.com](http://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 **Declaro, Inc.** ([www.declaro.com](http://www.declaro.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 Declaro, 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 331H: Algorithms & Complexity, CS 378: Randomized Algorithms, CS 378H: Data Mining, CS 343H Artificial Intelligence, CS 353: Theory of Computation, CS 439H 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

- 2017 **UT Austin Computer Science** Austin, TX  
*Undergraduate Researcher*  
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, [gunnrobotics.com](http://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](https://github.com/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.