

Rushi Shah

Education

- Class of 2020 **University of Texas - Austin**, *Turing Scholar Honors Program*.
Double Majoring in Computer Science and Mathematics.
Ranked among US News and World Report's Top 10 Computer Science Programs.
- Class of 2016 **Thomas Jefferson High School for Science and Technology (TJHSST)**.
Ranked among US News And World Report's Top 5 Public High Schools.

Work Experience

- Originate **Computer Science Intern**, Scala, Haskell.
Summer 2017 - New York City
- Distributed computing for data center workload analysis (Scala + Spark + Cassandra)
- Blockchain cryptocurrency trading bot (Haskell)
- Open source at <https://github.com/2016rshah/beginners-luck>
- The MITRE **Research Intern**, *Federal Aviation Administration Department*, Python.
Corporation **Summer 2014** - Northern Virginia
- Computational linguistics algorithms for call-sign identification
- Natural language processing research
- Analyzed emerging patterns in 12,000 air traffic controller transmissions
Summer 2015 - Northern Virginia
- Expanded NLP work to over 25,000 transmissions and new emerging patterns
- Edited language model used for the Closed Runway Operations Prevention Device (CROPD)
- Nclud **Web-Development Intern**, Javascript (MeteorJS).
Spring 2015 - Washington

Other Experience

- UToPiA **UT Program Analysis Research Group**, *Researcher*, advised by Prof. Isil Dillig.
- ISSS **UT Information Systems & Security Society**, *Officer*.

Projects

- NodeJS **Pynt**, draw data structures as shapes to get the corresponding Python code,
<https://github.com/Pynt/Pynt>.
- Ruby **Github Chart API**, embed github contributions calendar into HTML as an image
<https://github.com/2016rshah/githubchart-api>.
- Haskell **Beginners Luck**, blockchain cryptocurrency trading bot with technical analysis,
<https://github.com/2016rshah/beginners-luck>.

Language Familiarity

- 5 years JAVA
4 years PYTHON, JAVASCRIPT
3 years RUBY
2 years HASKELL
~ 1 year SCALA, C

Relevant Coursework

- TJHSST Artificial Intelligence I and II
UT Austin M 373K: Abstract Algebra I
CS 439H: Operating Systems (Honors)
CS 395T: Program Verification (Graduate)
Online CIS 194: Introduction to Haskell