

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