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 Corporation — **Research Intern**, *Federal Aviation Administration Department*, Python.
Summer 2014 - Northern Virgnia
- 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 DC

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 — **Heckle**, static site compiler that supports LaTeX and Markdown entries, `https://github.com/2016rshah/heckle`.

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

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