

# Rushi Shah

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## 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, Haskell.**  
**Summer 2017 (planned)** - based in New York City office.
- The MITRE Corporation **CS Research Intern, Federal Aviation Administration Department, Python.**  
**Summer 2014**
  - Created computational linguistics algorithms for call-sign identification.
  - Conducted natural language processing research on over 12,000 air traffic controller transmissions into the use of prefixes before call signs by air traffic controllers.**Summer 2015**
  - Expanded NLP work to over 25,000 transmissions
  - Analyzed the use of separators between runway identifiers and clearances
  - Expanded strict language model used for the Closed Runway Operations Prevention Device (CROPD) to boost the accuracy of the speech recognition engine.
- Nclud **Web-Development Intern, Javascript (ThreeJS animations & MeteorJS).**  
**Spring 2015** - based in Washington DC headquarters.

## Projects

- NodeJS **Pynt**, draw data structures as shapes to get the corresponding Python code. Created at Yale's Hackathon 2014, <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>.

## Language Familiarity

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

## Relevant Coursework

- TJHSST Artificial Intelligence I and II
- UT Austin M 341H: Linear Algebra (Honors)
- CS 329H: Computer Architecture (Honors)
- CS 395T: Program Verification (Graduate)
- Online CIS 194: Introduction to Haskell

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