

Rushi Shah

Education

- Class of 2020 **University of Texas - Austin**, *Turing Scholar Honors Program*.
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

- The MITRE Corporation** **Computer Science Intern**, *Federal Aviation Administration Department, Python*.
Summer 2014
- Created and analyzed the performance of various call-sign identification algorithms
 - 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** **Computer Science Intern**, *Javascript (client and server-side)*.
Spring 2015
- Web-development intern at Nclud (a Washington DC based Web Design Firm)
 - Worked on Nclud's new re-branded website
 - Worked on website for George Mason University's marching band (the GreenMachine)
 - Pair programming in JavaScript including the Meteor framework and ThreeJS animations.

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

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|----------|--------------------|
| 4 years | JAVA |
| 3 years | PYTHON, JAVASCRIPT |
| 2 years | RUBY |
| 1 year | HASKELL |
| < 1 year | ELIXIR |

Relevant Coursework

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| TJHSST | Data Structures |
| | Artificial Intelligence I and II |
| UT Austin | M 427L: Applications of Vector Calculus |
| | CS 314H: Honors Data Structures |
| | CS 311H: Honors Discrete Math |
| Online | CIS 194: Introduction to Haskell |

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