

# Rushi Shah

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## Education

Graduating Class of 2016 **Thomas Jefferson High School for Science and Technology (TJHSST).**  
Thomas Jefferson has been Newsweek's #1 high school for two years in a row and is consistently ranked within the Top 5 High Schools by the US News and World Report.

## Work Experience

### The MITRE Corporation

2014-2015 **Computer Science Intern**, *Federal Aviation Administration Department*, Python.

#### Summer 2014

The first year I created and analyzed the performance of various call-sign identification algorithms and 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

The second year I expanded my NLP work to over 25,000 transmissions and analyzed the use of separators between runway identifiers and clearances. I culminated my research by expanding the strict language model used for the Closed Runway Operations Prevention Device (CROPD) to boost the accuracy of the speech recognition engine.

### Nclud

2015 **Computer Science Intern**,  
Javascript (client and server-side).

#### Spring 2015

I was a web-development and web-design intern at nclud (a DC-based Web Design Firm). While there I assisted on various projects such as the nclud rebrand, the GreenMachine site, and the extremely important Meteor-Twitter pun app. Most of my work was in JavaScript including the Meteor framework and ThreeJS animations.

## Hackathons

Hack The **SpaceBowl**, <http://devpost.com/software/spacebowl-oculus-myo>.

North Placed in Top 10

YHack **Pynt**, <https://github.com/Pynt/Pynt>.

PennApps **FlipTrip**, <https://github.com/3RPM/FlipTrip>.

## Computer Science Languages

Fluent JAVA, PYTHON, JAVASCRIPT

Learning HASKELL, RUBY (ON RAILS), L<sup>A</sup>T<sub>E</sub>X

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