Rushi Shah

Education

Graduating Class of 2016

Thomas Jefferson High School for Science and Technology.
Thomas Jefferson (TJ) is a highly selective, gold medal high school nationally renowned for its rigorous academic curriculum focused on Science, Technology, Engineering, and Math (STEM). The school boasts 13 specialized research labs, ranging from astrophysics to microelectronics to oceanography. It has been ranked as the number one high school according to Newsweek for two years in a row and is consistently ranked as one of the Top 5 High Schools in the United States by US News and World Report.

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.

Computer skills

Fluent JAVA, PYTHON, JAVASCRIPT

Learning HASKELL, RUBY (ON RAILS), LaTeX