

# Arnav Sastry

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github.com/arknave

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## Education

- 2014–2018 **B.S. in Computer Science**, *The University of Texas at Austin*.  
Turing Scholars Honors Program
- 2010–2014 **High School**, *Liberal Arts and Science Academy*.

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## Coursework

- Courses Data Structures, Discrete Math, Vector Calculus, Competitive Programming, Computer Systems & Architecture, Linear Algebra, System Security

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## Experience

- Summer 2014 **Software Engineering Intern**, *Indeed, Inc.*, Austin, TX.  
Developed an internal data analytics language for running queries against Indeed's metadata. Added language features in JAVA. Frontend for interacting with this language written in TYPESCRIPT with BACKBONE.JS. Helped with migrating the large codebase from SUBVERSION to GIT in order to open-source the project.
- Summer 2013 **Software Engineering Intern**, *Indeed, Inc.*, Austin, TX.  
Used decision trees to improve job rankings on search result pages. Created internal tools using JAVA and JAVASCRIPT to analyze and visualize the impact that changes in job rankings had on the Indeed site.
- Summer 2012 **Student Lead**, *The University of Texas at Austin*, Austin, TX.  
Led a team of high school developers in building a web-based visual programming language implemented in JAVASCRIPT and JQUERY for use in introductory undergraduate computer science classes. All code was open sourced.

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## Personal Projects

- Quiz Bowl Database**, *Liberal Arts and Science Academy Quiz Bowl*, Austin, TX.  
Developed a website with ANGULAR.JS which indexed quiz bowl questions for searching in a POST-GRESQL database. Wrote a Naive Bayes classifier in NODE.JS to categorize questions by subject.
- Track This Element!**, *CodeDay Austin Hackathon*.  
Developed a Chrome extension in JAVASCRIPT which sent alerts when particular elements on web pages are modified. Won "Best in Show" at CodeDay Austin Hackathon.
- Bass Cannon**, *Liberal Arts and Science Academy, Coffeehouse Talent Show*, Austin, TX.  
Wired a Raspberry Pi to a subwoofer and a set of buttons in order to create a musical instrument for a rap performance.

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## Software Skills

- Proficient in: JAVA, JAVASCRIPT, PYTHON
- Worked with: C/C++, HTML5, CSS3, LINUX, BASH, HASKELL, L<sup>A</sup>T<sub>E</sub>X

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## Extracurriculars

- 2012–Present **Competitive Programming**.  
ACM South Central Regional 2nd place. TopCoder "Division I" Competitor, CodeForces Division I "Candidate Master", USA Computing Olympiad "Gold Division"
- 2014–2015 **Freshman Representative**, *Turing Scholar's Student Association*.  
Board Member
- 2010–Present **Quiz Bowl**.  
PACE National Scholastic Champion, High School National Championship Tournament (HSNCT) Champion, National All-Star Academic Tournament (NASAT) Champion as a member of Team Texas.