Vishnu Iyer

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Overview

Electrical Engineering and Computer Science student looking to work in disciplines on the cutting edge of science and technology. Currently searching for internships in engineering and research. My skills lie in strong theoretical foundations and efficient problem solving

Education

Major: B.S., Electrical Engineering and Computer Science
GPA: 3.952   **Expected Graduation:** May 2020
Past Coursework: Designing Information Systems, Algorithms, Data Structures, Discrete Mathematics and Probability Theory, Computer Architecture, Signals and Systems, Honors Linear Algebra and Differential Equations, Honors Multivariable Calculus
Current Coursework: Quantum Mechanics, Randomness in Computing, Machine Learning

Honors

- National Science Bowl 7th place nationally (2015)
- National Physics Bowl 3rd, 1st place nationally (2015, 2016)
- UC Berkeley HKN Outstanding Rookie Officer (2017)
- UC Berkeley College of Engineering Dean's List (Fall 2016 – current)
- American Invitational Mathematics Exam Qualifier and Top 25% (2015, 2016)
- IBM Watson Scholarship Recipient (2016)
- USA Biology Olympiad Semifinalist (2015, 2016)
- UIL Texas State Academics Champion (2015)

Experience

Research Intern, UC Berkeley: mentored by Professor Luca Trevisan in Dept. of Computer Science to prepare for research in complexity theory (2017-present)
Research Intern, Texas Southern University: worked under Dr. Carlos Handy in Dept. of Physics to generate computational solutions to Schrodinger Equation (2015)
Course Staff: worked as a tutor and grader on the Discrete Mathematics and Probability Theory course at Berkeley (2017-present)
HKN Officer: service and tutoring committee officer for Berkeley EECS Honor Society. Organized tutoring sessions and organized workshops for secondary school students (2017 – present)

Projects

- Personal Website written with Materialize CSS deployed at http://vishnu72498.github.io
- XML to LaTeX parser for mathematical notes written in Java 8
- Interactive database for mathematical equations written with Express JS deployed at http://principia.herokuapp.com
- Mental mathematics practice test generator written in Python
- Tournament direction software for local math and science competitions, example deployed at http://dullestmsca.appspot.com

Skills

Programming Languages: Java, C++, Python, C, HTML, CSS, JavaScript
Natural Languages: English, Tamil, Hindi, Spanish
Frameworks: Materialize CSS, Bootstrap, Django, Express JS, Arduino, Electron JS, Google App Engine, Materialize CSS
Other Software: Git, LaTeX, Image J, Matlab, Mathematica,