David Yan

Computer Science Major

Duke University, Durham NC

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Education

Duke University   Durham, NC
B.S. in Computer Science, Expected 2018   *2014 - Present*
The Mississippi School for Mathematics and Science   Columbus, Mississippi
High School   *2012 - 2014*

Work Experience

Software Development Intern   Duke University
Duke LUCAS Project   *Oct. 2015 - Present*
- Develop geographic information system (GIS) software to map geographic terrains and visualize geospatial information
- Design machine learning/learning classifier systems to model decision making processes in various political scenarios

Web Developer   Duke University
Duke Study Match   *Sept. 2015 - Present*
- Duke Study Match helps students enrolled in big lecture classes find peers to study with and set up group study meetings
- Wrote all code toward the design and functionality of the site

Coursera Teaching Assistant   Duke University
Duke University   *Sept. 2015 - Present*
- One of 4 TAs selected for a Google-sponsored course with over 2000 enrolled students
- Answer questions and help troubleshoot students' programming errors in HTML, CSS, Java, and Python

Undergraduate Teaching Assistant   Duke University
Duke Computer Science 101 Course   *Jan. 2015 - Present*
- Lead and teach a weekly lab programming section to roughly 30 students
- Hold weekly consulting hours where I assist students with issues in their code

Summer Undergraduate Researcher   Duke University
Duke ALICE Project   *May 2015 - Jul. 2015*
- Worked with Professor Susan Rodger on the Adventures in Alice Programming Project, a project that integrates programming into middle schools and high schools
- Coded new Alice materials in the Alice programming language and created new programming tutorials that will be used by teachers around the country

Technical Skills

Programming and Markup Languages
- Proficient in Python, Java, HTML, CSS
- Experience with C, R, Racket, SQL, Matlab

Relevant Coursework
- Computer Science 190S: Adaptive Web Development for the Modern Internet
- Computer Science 201: Data Structures and Algorithms
- Computer Science 230: Discrete Mathematics for Computer Science
- Computer Science 250: Computer Architecture