

David Fan

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Objective

Aspiring data scientist who wants to contribute to a commercial product development and expand expertise in data analysis and data mining.

Education

University of Illinois, Urbana-Champaign: Champaign, Illinois

Bachelor of Science in Statistics and Computer Science

GPA: 4.0/4.0

Class of 2021

Saratoga High School: Saratoga, CA

GPA: 4.2/4.0

Experiences

California State Summer School for Mathematics and Science

Irvine, CA

June 2015-July 2015

Lead Programmer:

- Designed an IOS motion-induced sound mobile app to allow users to create different music by manipulating a bouncing ball
- Used Swift to construct segmented boundaries with unique sounds, implement motion physics for a ball that the user controls by rotating the device to contact the boundaries
- Each boundary segment plays a different sound created by using ChuckK's instrument libraries

Saratoga Falcon Newspaper

Saratoga, CA

August 2014-June 2017

Backpage Editor, Reporter:

- Edited and wrote stories for all sections ranging from news to feature stories
- Designed multimedia layouts and interesting top 10 lists for each issue
- Demonstrated great teamwork within the staff and aided in developing the beginners

Activities

ACM International Collegiate Programming Contest, USACO

Saratoga, CA/Champaign, IL

June 2015–Present

Programmer:

- ICPC: utilized algorithms such as greedy methods and complete search, and data structures such as vectors and graphs to solve programming problems
- USACO: promoted to Silver through problem solving using data structures like arrays and matrices and algorithms such as string manipulation and sorting

Quiz Bowl

Saratoga, CA

March 2015-March 2017

- Competed in local Quiz bowl tournaments
- Focused on the details of literature, geography, and sports facts.

Awards

AP Scholar with Distinction

Honor Roll at Saratoga High School

Skills

Programming: Java, C++, Python, Basic Data Analysis

Languages: English, Spanish