

Rishabh Swarnkar

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Professional Summary

I am currently a student at the University of Illinois at Urbana-Champaign pursuing my education in computer science and mathematics. I spend time outside of academics teaching younger students fundamentals of programming, participating in community service, and performing at musical events. I am looking for opportunities to gain practical experience to fulfill my career and academic goals in software engineering and data science.

Experience

Code Coach

theCoderSchool, Cupertino, CA, July 2016 - December 2016

- Spent 10+ hours per week teaching programming fundamentals to elementary, middle, and high school students in a private after-school program.
- Helped groups of students develop their own web and mobile applications, and worked with them on presenting these at quarterly "Coder Fairs".
- Platforms taught: Java, Python, JavaScript, HTML/CSS, Scratch (project from MIT Media Lab) and Snap! (formerly BYOB, an extended reimplementation of Scratch from UC Berkeley)

Teaching Assistant

Math Enrichment Summer Camp, San Jose, CA, June 2013 - July 2015

- Helped create lesson plans for Pre-Calculus classes, and generate monthly report cards for families.
 - Communicated weekly with parents and students to optimize progress and ensure conceptual understanding.
 - Provided one-on-one and group tutoring sessions for Algebra, Geometry, and Pre-Calculus after school to keep students up to speed.
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Projects

FlickFilter

- Built a movie-filtering program which provides up-to-date rankings for movies based on popularity, rating, and genre.
- Uses HTTP get requests to accumulate and parse JSON data, facilitated by use of Gson dependency.

WordSorter

- Lexicographically sorts a given array of Strings through Bubble Sort, Insertion Sort, Mergesort, and Quicksort.
 - Depicts efficiency of each sorting algorithm, showing the various big-O time complexities.
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Education

B.S., Computer Science and Mathematics

University of Illinois at Urbana-Champaign • Champaign, Illinois • May 2019 (Expected) • 3.46 GPA

Skills

Java • C++ • Python • JavaScript • HTML/CSS