



CS & USA Computing Olympiad Series

- ***Python Programming & USACO Bronze I***

Sunday 2:00-3:00pm, Fall 2019 - 16 1-hour weekly sessions (\$899)

This rigorous course starts with Python programming, teaching students many in-depth knowledge and implementation details of a programming language. The majority part of the course will focus on algorithmic problem solving which is a combination of computer programming and problem solving. The course will get students familiar with competitive programming and USACO. Students will be asked to complete 1-2 programming tasks as homework every week. There are also 2-3 programming projects for students to finish.

*This is the first-half of a one-year course. There is another 16 sessions in the second-half of the course in Spring 2020.

- ***Data Structures and Algorithms & USACO Silver I***

Sunday 3:30-5:00pm, Fall 2019 -16 1.5-hour weekly sessions (\$1349)

In this intense, college-paced course, students will learn data structures and many of the basic algorithms, as well as more advanced programming concepts and techniques such as recursions, etc. Students will further improve their algorithmic problem solving skills by applying the algorithms learned in class to real problems. In addition to regular homework, students will be asked to finish 1-2 past USACO contest problems every week.

*This is the first-half of a one-year course. There is another 16 sessions in the second-half of the course in Spring 2020.



CS & USA Computing Olympiad 系列课程

- **Python 编程/USACO 青铜级 I**

周日 2: 00-3: 00pm, 2019 年秋季 - 每周 1 小时 16 节 (899 美元)

这个严格的课程从 Python 编程开始, 向学生讲授编程语言的许多深入知识和实现细节。本课程的大部分内容将侧重于算法问题解决, 这是计算机编程和问题解决的结合。该课程将让学生熟悉竞争性编程和 USACO。学生将被要求每周完成 1-2 个编程任务作为家庭作业。还有 2-3 个编程项目供学生完成。

* 这是一年课程的前半部分, 课程后半部分--Python 编程/USACO 青铜级 II 将在 2020 年春天继续。

- **算法入门/USACO 银级 I**

周日 3: 30-5: 00pm, 2019 年秋季 - 每周 1.5 小时 16 节 (1349 美元)

在这个紧张的。类似大学水平的课程中, 学生将学习数据结构和许多基本算法, 以及更高级的编程概念和技术, 如递归等。学生将通过应用所学的算法进一步提高他们的算法问题解决技能。除去家庭作业以外, 学生将被要求每周完成 1-2 个过去的 USACO 编程比赛题目。

* 这是一年课程的前半部分, 课程后半部分--算法入门/USACO 银级 I I 将在 2020 年春天继续。

LEARNING TREES