C++ – Level 2

C++ level 2 class is a project based course for C++ beginners to learn C++ programming language quickly and efficiently. Teach collection, data structure and object oriented Programming concepts. For students who wants to continue pursue USACO path, we strongly suggest taking C++ Level 2 course to review language features.

Prerequisite
- Finish C++ Level 1 course
- **OR,** take our entry test by emailing **usacocoach2018@gmail.com**
- Pre-algebra level math is required

Course Description
- **C++ Level 1 Course** is designed to focus on learning C++ Programming language from scratch. Provide with a solid foundation in C++ syntax and programming structure. Class time is 60 minutes/lesson
- **C++ Level 2 Course** is designed to focus on learning data structures and writing small project. Provide best solution while learning data structures and programming tricks. Class time is 60 minutes/lesson

Course Syllabus (C++ Level 2)
1. Jump Start
2. Search and Sort
3. Pair and Stack
4. Vector
5. List
6. Queue and Deque
7. Priority Queue
8. Set and Multiset
9. Map and Multimap
10. Advanced Topic

Course Details
- Use ZOOM for online video platform
- Class homework and video will be shared through google account. Student Gmail account is required
- Homework will be emailed to students after the lesson. Homework is required to submit and graded through usacocoach2018@gmail.com.