

Programming Workshop Summer 2009 Proposal

Week 1-2:

Language: C++

Target Audience: Programming beginners

Contents:

- Input/output streams
- Variables
- Control structures
 - If then else
 - Switch case
 - Loops
 - For
 - While
 - Do while
- Functions
- Arrays

Week 3:

Language: C++

Target Audience: Intermediates

Prerequisite: 1st year or course Week 1-2

Contents:

- Pointers
- Structures
- Reviewing searching and sorting algorithms

Week 4:

Language: C++

Target Audience: intermediates

Prerequisite: Data Structures course

Contents:

- Searching and sorting algorithms (detailed)
- Game Playing algorithms (Min-Max for solving tic-tac-toe)