

SKILL CERTIFICATE

CAREER AND TECHNICAL EDUCATION

This is to certify that

RAFID
AAYAN

has demonstrated competency in

Computer Programming 2
C++ (822)

05/09/2023

1896



Learning that works
for Utah

Sydnee Dickson

Sydnee Dickson
State Superintendent

Thalea Longhurst

Thalea Longhurst
State Career and Technical Education Director

Career Skills Certificate Report

Exam Details

RAFID AAYAN

Computer Programming 2 C++ (822)

Certification Date: 05/09/2023

This document certifies that the student listed has acquired the following skills and knowledge

Skills and Knowledge

Standards

- Students will demonstrate static (array), dynamic (vector, Arraylist, etc.) list structures, and strings.
- Students will properly use sequential files.
- Create user defined functions using top-down design and functional decomposition.
- Students will properly demonstrate object-oriented programming techniques.
- Students will properly demonstrate code comprehension and debugging techniques.
- Students will apply appropriate programming skill as an effective member of a team demonstrating the ability to collaborate with others (www.p21.org).
- Students will be aware of career opportunities in the Computer Programming/Software Engineering industry and of its history.