

# SKILL CERTIFICATE

## CAREER AND TECHNICAL EDUCATION

*This is to certify that*

Penelope Madsen

*has demonstrated competency in*

Computer Programming I

12/18/2023

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

PENELOPE MADSEN

Computer Programming I

Certification date: 12/18/2023

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

## Skills and Knowledge

### Standards

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- Students will be familiar with and use a programming language IDE (Integrated Development Environment)
- Students will understand program development methodology and best practices.
- Students will understand and implement key programming concepts.
- Students will understand and implement control structures
- Students will be aware of career opportunities in the Computer Programming/Software Engineering industry and ethical applications