

WORK TERM FINAL ORAL PRESENTATION  
LIFELONG LEARNING

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# ADMIN

## INFORMATION AND PREAMBLE

### Work Term Oral Presentation Resources

- ▶ PDF Slides:  
<https://notes.dominiquecharlebois.com/csc003-fall-2023/CSC003-Oral-Presentation-Slides.pdf>
- ▶ HTML Slides: <https://notes.dominiquecharlebois.com/csc003-fall-2023/oral-presentation-slides>
- ▶ Video and Transcript: <https://notes.dominiquecharlebois.com/csc003-fall-2023/oral-presentation>

**General Course Content:** <https://notes.dominiquecharlebois.com/csc003>

**Important Note:** Slides contain all required text to reduce cognitive load and ease of knowledge transfer.

# INTRODUCTION

## PROFESSIONAL CAREER TRAJECTORY

### **Researcher in Computer Science and Education**

- ▶ Learn, and Teach in an Academic University Setting
- ▶ Discuss Topics in Computer Science
- ▶ Collaborate with Researchers and Attend Academic Conferences
- ▶ Bachelor Degree, Master Degree, and PhD

A few examples include; becoming a professor and/or researcher at a university, collaborating with open source science and education, and working with individuals researching topics in computer science.

# INTRODUCTION

## REQUIRED SKILLS, KNOWLEDGE, AND ATTRIBUTES

### ► Skills

- Lifelong Learning: Continuous Learning and Self Observation
- Analytic Abilities: Research, Analysis, and Data Management
- Collaboration: Professional Behaviour and Cultural Intelligence
- Communication: Personal Management and Teamwork

### ► Knowledge

- Computer Science: Gain Expertise in a Field of Interest
- Education: Engage in Professional and Academic Education

### ► Attributes

- Open Research and Open Science: Accessible Content
- Global Collaboration: Cultural Intelligence and Social Responsibility
- Adaptability: Cultural Intelligence Action and Flexibility
- Passionate: Personal and Professional Growth

# INTRODUCTION

## REQUIRED COMPETENCIES

**Research and Analysis:** Use information from a variety of sources to identify and solve problems. Examples: recognize interpersonal and technical areas of the problem, think critically and strategically, explore possible solutions in an innovative way, and evaluate solutions.

**Communication:** Use appropriate communication styles and effectively communicate to audiences of diverse situations. Examples: listen actively, communicate effectively, write clearly and accurately in multiple contexts and formats, and recognize cultural differences in communication.

**Cultural Intelligence Action:** Interact with everyone while being flexible, recognizing and adapting to cultural nuances. Examples: display a positive attitude in environments, adapt communication and non-verbal communication, acknowledge interpersonal and technical areas of the problem, and show flexibility.

# LIFELONG LEARNING

## EVALUATION OF REQUIRED COMPETENCIES

Competency	Evaluation Criteria	Evaluation Level
Research and Analysis	Recognize Interpersonal and Technical Areas of the Problem	Beginning
	Think Critically and Strategically	Beginning
	Explore Possible Solutions in an Innovative Way	Working
	Evaluate Solutions	Beginning
Communication	Listen Actively	Working
	Communicate Effectively	Working
	Write Clearly and Accurately in Multiple Contexts and Formats	Working
	Recognize Cultural Differences in Communication	Beginning
Cultural Intelligence Action	Display a Positive Attitude in Environments	Beginning
	Adapt Communication and Non-Verbal Communication	Working
	Acknowledge Interpersonal and Technical Areas of the Problem	Beginning
	Show Flexibility	Working

**Table 1:** Evaluation of Competencies

# LIFELONG LEARNING

## CLOSING THE GAP

### **Focus on Research and Analysis and Strengthen Cultural Intelligence Action**

- ▶ Recognize Interpersonal and Technical Areas of the Problem
- ▶ Think Critically and Strategically
- ▶ Evaluate Solutions
- ▶ Display a Positive Attitude in Environments
- ▶ Acknowledge Interpersonal and Technical Areas of the Problem

### **Examples of Gaps within Research and Analysis and Strengthen Cultural Intelligence Action**

- ▶ Difficulty in recognizing and acknowledging interpersonal areas of a problem. As an example, not always communicating in a manner that lets others contribute personal experiences.
- ▶ Inexperienced in thinking critically and strategically. Therefore lacking expertise in evaluating solutions and providing a detailed report of findings.
- ▶ Lacking skills to display a positive attitude in environments. In other words, a miscommunication of verbal and non-verbal communication.



# LIFELONG LEARNING

## EVALUATION OF SUCCESS

**Success of Professional Career Trajectory:** Publishing research papers, talks, and educational resources. Lecturing and/or researching at a university. Collaborating with researchers on a global scale. Contributing to open source science and education.

### **Success of Required Competencies**

- ▶ Improve ability to integrate interpersonal areas when problem solving. Use technical areas of the problem as a base to facilitate recognition of the interpersonal.
- ▶ Gain experience in thinking critically and strategically. Engage with the global community to collaborate and exchange knowledge.
- ▶ Pair on solution brainstorming and evaluate solutions with feedback, recommendations, and outside input.
- ▶ Communicate effectively to foster diverse and welcoming environments.

# LIFELONG LEARNING

## PLAN AND SMART GOALS

To be successful as a researcher I will need to establish a foundational base for the core competencies. Current level in the core competency is at a "Beginning" level, with a few at a "Working" level.

### **Goal: Research and Analysis**

- ▶ At the end of the work term, I want to gain experience in thinking critically and strategically during pair sessions. I want to contribute to at least two major projects.
- ▶ To achieve this, I plan to participate in meetings that focus on evaluating solutions. And I plan to observe in meetings to establish good practices and techniques.
- ▶ I will ask to be included and work with my manager to identify potential opportunities.

### **Goal: Cultural Intelligence Action**

- ▶ At the end of the work term, I want to evaluate my professional interactions with team members and identify areas of improvement. Afterwards, I want to set goals with my manager that focus on growth.
- ▶ To achieve this, I plan to keep track of feedback from team members. And I will ask for feedback and comments at the end of meetings where I lead the discussion.

# CONCLUSION

## GENERAL OVERVIEW

**Professional Career Trajectory:** Researcher in Computer Science and Education

**Key Competencies:** Research and Analysis, Communication, and Cultural Intelligence Action

**Personal and Professional Growth:** Recognize Interpersonal and Technical Areas of the Problem, Think Critically and Strategically, Evaluate Solutions, and Display a Positive Attitude in Environments.

# CONCLUSION

## WRAP UP

Lifelong Learning is a continuous and intentional process. It requires constant monitoring and re-evaluation of plans and goals.

The point is to achieve success, but to not be rigid, but instead flexible in the path to success.