



## COLLEGE of ENGINEERING AND PHYSICAL SCIENCES

SCHOOL OF COMPUTER SCIENCE

# MSc Seminar

**Friday May 12, 2023 at 10am via Zoom [Remote]**

**Sarah Oloumi**

*Comparing Job Skills Analysis in Job Advertisements:  
A Synthesis of Economic and Computer Science Approaches*

**Advisor:** Dr. Luiza Antonie

**Co-Advisor:** Dr. Miana Plesca [Economics]

### **Abstract:**

The analysis of job skills is a crucial aspect of understanding the current and future state of the job market. With new technologies and job demands constantly emerging, it is essential to understand the skills required for various jobs and how they change over time. This survey paper aims to perform a comprehensive analysis of the current literature on job skills extraction, with a focus on comparing the methods used by economists and computer scientists. This comparison provides valuable insights into the different approaches and data sources used by these disciplines and highlights the strengths and limitations of each approach. By providing a synthesis of the existing research and highlighting areas for further investigation, this paper will help pave the way for future work in this field.