Introduction:
Cloud computing has become a de-facto model for resource/service delegation. Cloud service providers offer various services and one of them is to delegate virtual machines based on various pricing arrangements. Virtual machines can be rented for a few hours or for a couple of years (and more). Based on the urgency the prices are also changing.

Predicting spot prices of Amazon cloud services are not new (see references for more), but in this proposed master thesis we want to go beyond prediction and try to analyse other important dynamic factors using Machine learning.

Required Theory: Good knowledge of ML/DNN, Cloud computing, Stats (medium).
Required skills: Linux systems, JAVA or Python, JSON, JavaScript, Web services (REST APIs), TensorFlow.

Duration: 6 months
Schedule: 40-hour/week.
Workload: 70% coding, 30% research (approx. values).
Expected outcome: Publication / Master thesis

Mode: Remote (virtual internship) via Zoom
Location: Copenhagen, Denmark.
Supervision: 1 hr/week for 6 months

Contact: If you are interested then send your CV (max 2 pages) and a GitHub link of your code repos. Send email to Somnath Mazumdar (sma.digi@cbs.dk).

References: