Dear Sir or Madam,

I am writing to apply for the internship position (Business Title: PhD Intern Machine Learning Researcher; Requisition No: 60440BR) at eBay. This position at eBay is strongly related to my educational background, working experience as well as my personal interests and skill-set. Below is the mapping of my experience and skill-set to the list of the job responsibilities and the job requirements provided by eBay.

Job Responsibilities:

1. “Research and development to create and test new algorithms for efficiently learning predictive models from large amounts of data (e.g. search rankers from click view data)”: I worked in various industry funded research projects and developed state-of-the-art predictive models for private companies operating in GSM and banking domains. During my masters and PhD studies, I developed various other predictive models for research purposes and published these models in top tier journals and conferences.
2. “Will present results to eBay audience and prepare a write up suitable for external publication”: The research projects I worked for, required me to give presentations to company managers multiple times a month. This opportunity helped me to demonstrate my ability to derive stakeholder focused analysis and generate various milestone presentations for knowledge transfer with a strong managerial focus. On various occasions, the attendees of my presentations praised my verbal skills and ability to convey complex concepts in a simple manner. Furthermore, each research project that I worked for became one of my journal or conference publications.

Job Requirements

1) “Knowledge and experience with machine learning methods”: I have taken multiple machine learning courses at graduate level from the computer science as well as from the statistics departments. I have gained extensive experience with various machine learning methods during the projects that I worked for and during the research that I have conducted in my graduate career.

2) “Ability to deal with large data (e.g. use Hadoop) to gather large training and tets sets”: I used various SQL queries or simple shell scripts to derive large training and test sets from the company databases. Therefore, I am confident that I can gather large amounts of data. Although, I did not use Hadoop until now, I am certain that I can learn and apply it very fast.

3) “Ability to prototype efficient implementations of algorithms (e.g. in Matlab, R, or C++) suitable for exploring and testing ideas on large data sets”: I have a strong technical research background and various project experiences in data mining, which include coding up machine learning algorithms to derive actionable results from different types of data. I am particularly proficient in terms of implementing algorithms in MATLAB.

Given the opportunity, I am confident that I can be a productive member of your team at eBay. Please find detailed information on my education and experience in my CV.

Thank you very much for your consideration.

Sincerely Yours,

Ekrem Kocaguneli

PhD Candidate

West Virginia University