Yahoo Research (at Oath) is growing its strategic research teams to enable the company to build new products and platforms that our customers need, now and in the future. We have exciting job openings in several technical focus areas that are located in our New York City office located in Greenwich Village, one of the most exciting NYC neighborhoods.

We hire best scientific minds who like to roll up their sleeves, make new discoveries and contribute to the success of the business. We are looking for Research Scientists with a PhD degree in Computer Science, Industrial or Electrical Engineering or Mathematical Optimization. Our scientists specialize in designing and building scalable and reliable distributed and parallel systems that serve all the aspects of big data like data mining, optimization, machine learning, computational economics and analytics. Our group recently grew in all the above disciplines and we continue our expansion.

We design innovative algorithms to push the capacity, performance and reliability of our platforms, exploit novel hardware and software architectures, and evaluate the impact in Web-scale production settings. We actively contribute to the scientific and open source communities in foundations of Computer Science, Machine Learning, Mathematical Optimization and Computational Economics.

Here are some reasons to explore this opportunity:

1. We have a huge number of research problems to solve that lie on the intersection of Optimization, Machine Learning and Computational Economics. If you are an expert in one of these fields and want to expand your research profile this is an ideal place for you.
2. We work on game changing products and solutions, you can quickly see how your research ideas and algorithms influence revenue and user engagement. The selection of our projects is unparalleled and we have amazing relationships with the product groups.
3. We care about you continuing your fundamental research, publishing papers and keeping track of the latest technologies developed in your respective field.

Responsibilities Include:

· Deep dive into the data to understand and apply patterns, while maintaining a sense of the big picture.

· Work closely with colleagues on the engineering team to put research results into action.

· Provide thought leadership to guide the direction of Yahoo products and services.

· Push your own research agenda and look to influence our products and services with your expertise.

Required Skills and Qualifications

· PhD in Computer Science, Industrial or Electrical Engineering or Mathematical Optimization.

· Strong research track record (academic or industrial) in one of the following areas: Mathematical Optimization and Algorithm Design, Data Analytics, Machine Learning, Computational Economics (auctions, pricing, mechanism design) or related areas.

· Strong design and implementation skills in Java, Scala or C++. Experience with large-scale production code development is a plus.

· Ability to conduct research that is justified and guided by business opportunities.

· Strong communication and presentation skills.

Please send your CV and a short letter of interest to Maxim Sviridenko (sviri at oath dot com). Soft application deadline is September 30, 2018.