

Master Thesis Internships - Spring 2020

Join King for a Master Thesis Internship in spring!

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Ref. 14740

Your role within our Kingdom

We are looking for passionate MSc students or recent graduates that want to deep-dive into one of our exciting projects. Beyond the specific requirements for the projects, we see that you

- Have a curiosity and drive to learn and develop
- Are self-driven with a problem-solving attitude
- Have strong social and communication skills
- Are proficient in English, both spoken and written
- Have an interest in the gaming industry

Project

Adoption of observational studies methodology to experiments

Observational studies allow for inferring causal effect in experiments where the researcher has limited or no control over the assignment process. At King, an example of such a process is a staged rollout where two groups under comparison are separated by time and source of new installs. Another example is when a new feature is rolled out only in one country while the inference should address the whole population. The methodology used in observational studies can also help in rebalancing AB-tests with obvious biases or when moving from one test group to another is allowed. In this master thesis, you will explore the potential of observational studies to address the mentioned challenges in AB-tests experiments.

This master thesis would consist of:

- Describing methodology and most commonly used matching algorithms
- Application of selected algorithms to data at King, for instance:
 - AB-test data to verify that the methodology can return the same causal effect as observed in AB-test
 - AB-test data where the test group comes from one country and the control is limited to one segment of users
- Bonus (if time allows): examining this methodology for a case where an AB-test was not carried out (e.g. a staged rollout)

Thesis specific requirements:

- Field of study: Statistics, Computer Science, Mathematics, Electrical Engineering, Industrial Engineering, Mathematics, Bioinformatics or similar fields
- Skills: Strong knowledge in statistics and R or Python, strong interest in the topic

A great saga needs all sorts of heroes

Making games is fun. Especially when you do it with people who share the same idea of what makes a good workplace, great. We design games for everyone, no matter where they are or who they are, and we employ all sorts of people from all kinds of backgrounds to bring them to life. Truth is, we simply can't expect diversity in our players and originality in our games without first nurturing it in our people. A great saga needs all sorts of heroes. And that's it.

We're Seriously Playful

Officially, we're a leading interactive entertainment company for the mobile world. Unofficially, we're a serious business that's not afraid to have fun. Every day at King, we mix intuition with logic, art with science and magic with mathematics to create the games the world loves to play. Together with our parent company Activision Blizzard, our mission is to bring moments of magic to everyday life. If you think this is something you can help us achieve, let's talk.

Apply now!

Want to join our Kingdom? Apply now! This internship will start in January 2020 and run until June. We recruit on an ongoing basis so early application is advised to avoid disappointment. All applications should be submitted in English and include a CV, a cover letter, and a transcript of your grades. Make sure to specify which project you are interested in when you apply.