The KDD Lab in the Department of Computer Science (CS) at K-State is seeking undergraduate research programmers for research projects in the broad areas of Artificial Intelligence (AI) and Reinforcement Learning (RL):

- Deep Reinforcement Learning: Meta-RL, Generalization in RL.
- Representation Learning from visual observation for intelligent agents.
- Recurrent and Graph Neural Networks for RL.
- Application of RL in Game Playing, Robotics, Recommendation Systems etc.

**Necessary Qualifications**

- Proficiency in and experience with a high-level programming language such as Python, C#, Java.
- Computer Science major with an overall minimum CGPA of 3.00.
- CIS 200, CIS300, or equivalent coursework and experience.
- Experience with Linux system environment.
- Ability to work 10-12 hours per week during the regular academic year.
- Highly motivated and interested to work interactively with other group members.

**Preferred Qualifications**

- CIS 300 (*Data Structures and Algorithms*), CIS 301 (*Logical Foundations of Programming*), CIS 400 (Object-Oriented Design, Implementation, and Testing), or equivalent coursework.
- MATH 510 (*Discrete Mathematics*), STAT 510 (*Introduction to Probability and Statistics*), MATH 515 (Introduction to Linear Algebra), MATH 551 (Applied Matrix Theory) or equivalent background
- Experience with any of the following is a plus:
  - Courses such as Artificial Intelligence, Machine Learning, Deep Learning.
  - Knowledge and experience in Computer Vision or Reinforcement Learning.
  - Coding projects involving large Data Set, Git, or Physics Simulation Engine.
- Ideal candidates will be able to start immediately and remain with the group for at least one year.

**Compensation**

- Compensation starts at $14 per hour.
- Increments after 1-2 semesters given satisfactory performance.

If interested, please send an e-mail to kdd-search-L@listserv.ksu.edu documenting the following:

1. Your experience, academic background, and interests
2. Computer Science and Math courses taken; Overall GPA
3. Names, e-mail addresses, and phone numbers of 3 references

URL of this job position: [https://www.kddresearch.org/page/1](https://www.kddresearch.org/page/1)
The lab director is Dr. William H. Hsu ([https://people.cs.ksu.edu/~bhsu/](https://people.cs.ksu.edu/~bhsu/)).
For details about KDD projects, please visit the KDD Lab website at: [https://www.kddresearch.org/](https://www.kddresearch.org/).