##### home-higgate

##### Positions Available

##### starting Spring, 2021

Undergraduate Research Programmers

Laboratory for Knowledge Discovery in Database

**The KDD Lab in Computer Science (CS) Department at K-State is seeking undergraduate research programmers, for research projects in the areas of artificial intelligence and high-performance computing:**

* **Affective Computing Group (ACG): Affective computing, Wearables and Animal telemetry**
* **Human-Computer Interaction (HCI): Graphics, Visualization, and User Interfaces**
* **Natural Language Processing: Text Analytics, Information Extraction, Topic Modeling, QA, etc.**
* **Cyber Resilience, Security and Trust**
* **Predictive Analytics**
* **Big Data Analytics**

**Necessary Qualifications**

* **Proficiency with Java, C#, Python**
* **CIS 200, or equivalent coursework and experience**
* **Ability to work 10-12 hours per week during the regular academic year**

**Ideal Qualifications**

#### One of CIS 300 (*Data Structures and Algorithms*), 301 (*Logical Foundations of Programming*), CIS 520 (Operating Systems), or equivalent coursework or background

#### Current/past: Math 510 (*Discrete Mathematics*) or Stat 510 (*Introduction to Probability and Statistics*)

#### Experience with any of the following is a plus:

#### An integrated development environment (IDE) such as Eclipse or PyCharm

#### A GUI development environment

#### Ideal candidates will be able to start immediately and remain with the group for at least one year

**Our computing environment comprises a number of high-end Intel Core i7, AMD - Threadripper 1950X workstations and Nvidia Titan V, RTX 2080 GPUs are running based on Linux, Windows 10.**

**Software components of our environment include MS Visual Studio, PyCharm for Python, Virtual Box; various expert system shells and scripting languages.**

**The lab director is William H. Hsu (**[**http://people.cs.ksu.edu/~bhsu**](http://people.cs.ksu.edu/~bhsu)**) and the lab wiki is http://www.kddresearch.org/.**

**Compensation starts at $13 per hour with increases after 1-2 semesters, given satisfactory performance.**

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| **If interested, please send e-mail documenting:**   * **Computer Science, other Science, Math, and Engineering courses taken** * **Names, e-mail addresses, and phone numbers of 3 references** * **Overall GPA** * **Your experience, academic background, and interests**   **to: kdd-search-L@listserv.ksu.edu**  **KDD Lab web site and current group members:**  [**http://www.kddresearch.org/page/18/**](http://www.kddresearch.org/page/18/) |  |

