INTERESTED IN ARTIFICIAL INTELLIGENCE RESEARCH?

We are developing novel hardware to speed up neural network algorithms and need your programming skills!

ADAM lab from the ECE Department is looking for motivated CS undergraduate and MS students for Spring 2020 to help with the development of a simulation platform for memristor-based neural networks and systems.

Qualifications:
- Basic knowledge of neural network algorithms
- Programming skills (Python and C++)
- Slurm / Linux familiarity a plus
- Dependability and initiative
- Involvement >10h / week

Gain:
- 3 credits/semester
- Research experience and programming project to add to your portfolio
- Knowledge of neural network algorithms optimized for next-generation hardware accelerators
- Mentorship in an interdisciplinary team

Get in touch:
E-mail us at GinaAdam@gwu.edu.
Include your CV, transcripts and how many hours / week you can contribute.

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Memristors (or RRAM) are novel electronic devices that have multi-state programmability and inherent memory. These unique properties make them suitable for implementation of synaptic weights in hardware. Below are some of our results.