

## **CPRE 491 - Weekly Report #2**

Date: 10/1/2021

Team: 08

Project Title: Extracting Black-box Deep Learning Models via  
Software-based Power Consumption Measurements

### **Members:**

- Austen Van Brogen
- Michael Mazur
- Long Ly
- David Swarts
- Danielle Rodriguez
- Noah George

### **What we've accomplished in the past week/what we've been researching:**

- Austen Van Brogen: Helped present in lecture. Helped make project plan and project plan lightning talk
- Michael Mazur - helped present in lecture/
- Long Ly - Presented lightning talk, edited project plan and next week's lightning talk
- David Swarts : Presented in lecture. Watched videos about how machine learning works.
- Danielle Rodriguez: Presented in lecture, worked on project plan, and watched videos on machine learning works.
- Noah George: Presented our project plan in class. Completed project plan document. GPU interface.

### **What we're planning to do in the coming week:**

- Austen Van Brogen: Complete the design assignment. Research neural networks
- Michael Mazur - configure the git repo and scrum board
- Long Ly - Research tensor flow library, loss function, and training data
- David Swarts : Complete design document. Research side channel attacks.
- Danielle Rodriguez: complete design document.
- Noah George: GPU Interface. Consider the design document.

**Issues we had in the previous week:**

- Austen Van Brogen: Getting the presentation set up was a time crunch. A question the professor up during our presentation made us question how we were going to gather data for the project
- Michael Mazur - balancing work for this class in between midterms
- Long Ly - Understanding project requirements and scheduling conflicts
- David Swarts : Managing my time. Getting everything done.
- Danielle Rodriguez: Getting presentation for the project plan ready.
- Noah George: Time management. Figuring out how to do the first lightning talk