

## High Performance Machine Learning

### **Description**

Design, build, and work with high performance compute algorithms for machine learning and data analytics. Work would consist of analyzing problems and designing mathematical/computational means of extracting useful information for machine learning (feature extraction). Algorithms designed are to be fast and scalable to large compute machines.

### **Requirements (not all must be filled)**

- Experience in Machine Learning, High Performance algorithms, and/or big data
- Parallel computation (eg. MPI and/or OpenMP) experience
- Strong math background in optimization, signal analysis, statistics, etc.
- Research experience
- Programming experience in Python, C, C++, Fortran

### **Bonuses**

- Worked with Numpy, Scipy, Scikit-Learn, Pandas, etc.
- Experience with high performance numerical methods in numerical optimization
- Computation on GPUs
- Has done work on San Diego Super Computer

### **Compensation**

Determined based on skill level and experience. Will be contract based.

### **Contact**

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Send resume (PDF) and code sample with brief explanation (Plain text)

Aidan Plenert Macdonald

[Website](#)