**Megan Kern**

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**PERSONAL STATEMENT**

Success where thought unlikely often results from learning to learn differently. Human understanding of learning will expand with evolution of artificial intelligence. Personally, this drives desire to contribute within a team through corporate vision in this direction.

**EDUCATION** **Birmingham Southern College** May 2021

* B.S. in Mathematics (GPA: 3.524)
* Substantial coursework in multiple areas of science
  + General Physics I, General Physics II, Special Relativity
  + General Chemistry, Organic Chemistry I, Organic Chemistry II
  + Organismal Biology, Cell and Molecular Biology, Genetics

**PROJECTS Kaggle Challenge to Predict Water Potability**

* Modified missing values with consideration for changes to feature distribution
* Implemented binary classifier with PyTorch lightning
* Wrapped model in Ray Tune to search hyperparameter space
* Hyperparameters and accuracy visualized with parallel coordinates plot and discussed

**SKILLS Languages / Libraries**: Python, PyTorch Lightning, Pandas, NumPy, scikit-learn

**Team:** Personal development of collaboration skills, eagerness to reach out early, and understanding of importance in clear objective communication are among most cherished skills learned at Birmingham Southern College.

**ML Concepts:** Self-taught with public resources including Stanford’s CS231n, *Elements of Statistical Learning*, and miscellaneous blogs such as [Christopher Olah’s](http://colah.github.io/).