P.U.R.E. Research Plan Form

Mentee Information
Name: __Aryn Harmon__________ Date: __9/20/19_____
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Mentor Information
Name: __Jason Turner__________ Date: __9/19/17________
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Faculty Advisor: __Prof. Maciej Balajewicz__________

Fall 2017 Research Plan

1.) Write a brief outline of your research plan:
We aim to develop a financial model reduced from more complicated ones for pricing options. We will construct this extrapolation in mind; developing reduced models can be applied to numerous fields of study to make large computing processes cheaper and faster while maintaining a reasonable degree of accuracy. My part of the work will consist of learning about options pricing and reduced order modelling so I can be a second mind to my mentor.

2.) What do you hope to learn and achieve by the end of the semester?
I hope to gain an understanding of the material being put before me, but even more so, I’m working on my ability to learn new concepts thoroughly. Working on reduced order modelling will present an ample challenge to me in this regard. My aim for the semester is to be able to develop a simple model that represents a system more complex than it, at least to some degree.

Mentee Signature: __Aryn Harmon____ Date: __9/21/17__
Mentor Signature: __Jason Turner____ Date: __9/21/17__