

STATEMENT OF PURPOSE

MIT DEPARTMENT OF PHYSICS · PHD PROGRAM · FALL 2024

INTRODUCTION

I am an aerospace software engineer, and a scientific software developer. My aerospace dynamics & controls research emphasized computation, and I have been fortunate to have had the opportunity to exercise my computational dynamics background as an integrated GN&C analyst to expand human space exploration at NASA. Now, I aspire to grow as a computational physicist, and expand astrophysical discovery in through computational research.

I am thankful for the opportunity to apply to the PhD Program at MIT's Kavli Institute for Astrophysics and Space Research. Thank you for your consideration.

RESEARCH EXPERIENCE

SCIENTIFIC COMPUTING

All of the scientific software I write is published on GitHub under the username `@cadojo`, and is linked-to and summarized at my personal website: `loopy.codes`.

RESEARCH ASPIRATIONS FORWARD WORK