

Applicant: Cody Petrie
Faculty Advisor: Kevin Schmidt

I am a soon to be a forth year graduate student in physics at ASU. I have completed my core courses with a GPA of 4.0. My research interest are aimed toward understanding one of the four fundamental forces in nature, the strong force. I do calculations that statistically solve for properties of nuclear systems, including nuclei and nuclear matter. In the next month or so I will be finished with my prospectus and will be close to publishing the work that I have completed thus far. I work with Kevin Schmidt in the physics department who has instilled in me, by his example, a love for understanding and hard work. Currently I am working as a teaching assistant for Darya Dolenko leading an online physics lab on fundamental Newtonian physics.

After graduate school and any needed post-doctoral positions, I would like to become a physics professor where I could instill in other young adults a love for learning and for physics. If needed I plan to work in the private sector or at a national laboratory before teaching, to get the needed experience to become a more effective and knowledgeable teacher.

I am applying for the following scholarships, Molecular Imaging Corporation Endowment, Wally Stoelzel Physics Scholarship and Fellowship and the William J. and Carol M. Motil Scholarship. I am a happy father of three kids, two boys and a baby girl. My wife and I try to instill in them our love for learning. I work hard to balance my responsibilities at home with my responsibilities at school and work. This scholarship would give me additional support, alleviating some of the financial burden associated with those responsibilities, ultimately allowing me to focus on the goals at hand.