



Whittier
College

Jordan C. Hanson, PhD

February 15, 2021

Letter of Recommendation, Big 10 SROP

Jordan C. Hanson
Department of Physics and Astronomy
13406 East Philadelphia Street
Whittier CA 90602
Email: jhanson2@whittier.edu
Phone: 562.907.4200

Greetings,

My name is Jordan Hanson, and I am an assistant professor in the Department of Physics and Astronomy. I am recommending Adam Wildanger for the Big 10 Summer Research Opportunities Program. Adam is an excellent student at Whittier College who is majoring in our 3-2 engineering program, physics track. I first met Adam in the Fall of 2018 in my calculus-based physics class. In our 3-2 engineering program, students spend three years at Whittier College taking courses in physics, math, and computer science. Adam is an A-student and takes advanced computer science, math, and physics courses.

I have taught Adam in Calculus-based physics 1 (PHYS150), Calculus-based physics 2 (PHYS180), and an upper-division computer science course entitled Electromagnetic Theory (PHYS330). This last course is our version of the standard upper division electromagnetism course taught to physics majors and engineers at most colleges. One aspect of his academics that stands out to me is his attention to detail in his final projects. In each of my courses, I assigned final projects that required students to complete self-designed experiments after submitting a project proposal to me. Adam designed catapults, electromagnetic cranes, and eventually designed a rail gun. In each of these physics and engineering projects, Adam delivered a wonderful presentation at the end. His talks were conscientious, engaging, and entertaining.

It is also worth mentioning that Adam maintains his grades and completes projects on time while *also* maintaining a job. His company focuses on remote sensing applications via industrial scale drone flight. He has shown interest in my drone program at Whittier College, but this has been put on hold due to the pandemic. I am confident that Adam would make an excellent candidate for physics and engineering programs above the college level.

In closing, I highly recommend Adam Wildanger for the SROP program

Sincerely,

Jordan C. Hanson, PhD