

# Teaching Statement

My main belief as a teacher is that science and computing are not just for experts. They are useful tools that help everyone to think critically and solve problems. This is very important in a college, where students from all backgrounds come to build their future. My main goal is to show students that science is interesting, fun, and useful in their lives.

## Teaching Methodology

- **Creating a Good Classroom Environment:** I want to make a classroom where all students feel comfortable to try hard problems, ask questions, and learn. I have taught students from many backgrounds, including students who are learning English. From this, I know it is important to be patient, speak clearly, and repeat important ideas. I want to make a supportive class where students are not afraid to make mistakes.
- **Connecting Ideas to the Real World:** I try to make difficult ideas easy to understand by connecting them to real life. In my physics classes, I use examples from students' own lives and career goals. For example, I explain conservation of energy using a roller coaster, or for a nursing student, using the body's metabolism. Using real examples helps students understand physics and mathematics better and makes them more curious.
- **Using Computers and Online Tools:** As a computational physicist, I think it is important to teach modern computer skills. I helped develop an online physics lab, so I am good at making online classes work well. I can use tools like Python, Jupyter Notebooks, and other online platforms to help students learn and get the support they need, in person or online.
- **Active Learning and Helping Students:** I believe students learn by doing. I encourage students to talk in class and I give them problems to solve together. My experience in the Physics Help Center showed me that helping students one-on-one is very important. I see my job as a guide who helps students become more confident and skillful.

I am excited to have the chance to join an academic institution that wants to provide good education to all students. I want to share my experience of Physics, Mathematics, and Programming with new students.

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