

2406 NE 139th St.,
Unit #T176
Vancouver, Washington
98686

March 3, 2024

Institute Mentors
Institute for Computing in Research
2406 NE 139th St
Apt T 176

Dear Institute Mentors,

I'm excited to apply for the 2024 internship position at the Institute for Computing in Research. I understand that the Institute for Computing in Research is an extremely rigorous program that only accepts students who are well-equipped academically and I am prepared to take any steps necessary in order to successfully conduct research during this summer. As an aspiring researcher, I am thrilled at the opportunity to bring my interest to life through the Institute for Computing in Research.

I am currently a Junior at Skyview High School's STEM magnet program with a specialization in computer programming. I have taken multiple Advanced Placement classes, including Computer Science A and Physics 1, which have assisted me in being able to improve my comprehension of complex topics. I am also a part of a video game research development group, where we spend various hours developing complex algorithms via a 3-Dimensional video game that will be presented to judges in May. My varying experiences in multiple STEM fields have prepared me to be an independent problem-solver.

My continuous experience in robotics has allowed me to develop a sincere interest in image recognition. As a result, I have gained a curiosity in how computer vision works, and have conducted relevant independent research whenever I am free. I came across the topic of multi-modal learning with image recognition, and I instantly became intrigued. Multi-modal learning will allow me to optimize the robot quality using multiple modalities, such as distance sensors. Since this research topic is applicable to my passion for robotics, I hope to be able to expand upon this research topic through this program.

I plan on pursuing a career in data science, specifically artificial intelligence, and I believe this opportunity can help me gain crucial experience in the field. Attached is my resume where I further expand on my extracurriculars which have developed my skills as an ambitious researcher. Please feel free to contact me and I look forward to hearing more about the institute. Thank you for your time and consideration.

Sincerely,

Kim Pham