

ADAM PHENG SOMPHONE

Department of Mechanical and Aerospace Engineering, University of Central Florida

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EDUCATION

2019 – 2022	University of Central Florida Orlando, FL.	B.S. in Mechanical Engineering & Mathematics Minor Cumulative GPA: 3.9
2017 – 2019	St. Petersburg College St. Petersburg, FL.	A.A. General Studies Cumulative GPA: 3.8

RESEARCH INTERESTS

Propulsion and chemical energy sciences, thermal fluid energy sciences.

Next generation novel propulsion and energy creation technology for aerospace applications.

Clean energy solutions for novel propulsion and energy technology.

Mathematical modeling of thermal fluid energy systems.

Advance, abstract physics and physical chemistry concepts and its application propulsion and energy.

RELEVANT EXPERIENCE

Summer 2021 - Present Ultrafast Atomic, Molecular, and Plasma Physics Research Group (Full time). Assisting Dr. Fang and various other lab colleagues in machining parts and planning/setting up laboratory apparatus that will be used.

Summer 2021 - Present Computational Fluids and Aerodynamics Laboratory (Part time). Utilizing industry standard CFD software StarCCM+ provided by Dr. Kinzel in application for tasks provided by the Ultrafast Atomic, Molecular, and Plasma Physics Research Group, and independent HUT research.

Spring 2021 Course EML 4306C – Energy Systems Laboratory. Organized lab group member. Team efforts in organized experiments, projects, and lab reports using various scientific measurement systems. Concepts of Uncertainty, Circuit Theory, Conduction, Convection, Thermal Resistance, and Fluid Flow will be explored in an experimental setting. MAE, University of Central Florida.

Fall 2020 Course EML 3033C – Mechanical and Aerospace Engineering Measurements. Organized lab group member. Team efforts in organized projects and lab reports using various scientific measurement systems. Concepts of Uncertainty, Digital Data Acquisition, and Dynamic Signals utilized in various experiments. MAE, University of Central Florida.

INVOLVEMENT

Fall 2020 – Present General member. Society of Asian Scientists and Engineers (SASE).

Summer 2021 – Present Honors Undergraduate Thesis (HUT or HIM) student.