SAMUEL HINCE

Please use contact page on samhince.com

Objective: To integrate with a capable, motivated team where I can use my skills in data science and rapid prototyping to push the boundaries of high performance or low emissions aircraft.

EDUCATION

University of California, Irvine *June 2021*
B.S. Aerospace Engineering (GPA: 3.6)

Lunds Universitet Study Abroad, Sweden *Aug 2019 - Dec 2019*

TECHNICAL SKILLS

Programming:
- MATLAB & Python
- C for Embedded Systems
- FORTRAN
- Linux Environments

Data Science:
- R & Packages
- Big Data Visualization
- Machine Learning
- MySQL Databases

Rapid Prototyping:
- Circuits & Soldering
- Composite Material
- Laser Cutting & 3D Printing
- SOLIDWORKS Associate
- Lightweight Structures

RESEARCH AND EXPERIENCE

FLAPPING MICRO AIR VEHICLE
Team Lead
Jan 2018 - Present
- Patent Pending for the Quadflapper
- Co-author of a paper exploring a new bio-inspired flying concept
- 1st Place 2018 Beall Competition
- 3rd Place 2019 Cornell Cup

RIVERSIMPLE ENGINEERING, WALES
Summer Intern
June 2017 - Sep 2017
- Riversimple is a fast paced automotive engineering firm working toward mobility at zero cost to the environment
- Headed wiring loom design for test vehicles
- Responsibilities including: Composites, Manufacturing, Component Sourcing & Public Relations
- Shaped the integration of powertrain components

PROPHET PREDICTIVE MODELING
Founder & System Architect
June 2018 - Present
- 100% growth of $100K in 12 months
- 1st Place 2020 Quinnipiac Business Competition
- 1st Place 2019 IDEON Entrepreneurship Competition

UCI ENGINEERING
Undergraduate Teaching Assistant
Sep 2018 - June 2019
- Collaborate with Professor and PhD students to create MATLAB curriculum
- Present lectures with PhD students
- Facilitated weekly office hours to answer student questions

AIAA DESIGN BUILD FLY
Systems Integration Engineer
Sep 2017 - Jan 2020
- Responsibilities: Pilot, Propulsion & Aircraft Design
- 7th place team 2018, 10th place in 2019

HONORS AND AWARDS

- Front Porch Engineering Scholarship recipient ($16,000) *May 2017*
- Summerville High Class of 2017 Valedictorian *June 2017*
- AOPA Flight Training Scholarship Recipient *June 2017*
- U.C. Irvine Research Fellowship *Jan 2019*

SYNERGISTIC ACTIVITIES

- First solo flight in pursuit of a private pilot's licence *July 2019*
- Fourteen years experience designing, building, and flying model aircraft
- Five-time crew member working on high performance aircraft at the Reno Air Races
- Assisted in construction of a Carbon Cub experimental aircraft