Beckett Hynes

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I'm a mechanical engineer who can design, fabricate, integrate, troubleshoot, and operate drones and other electric vehicles who enjoys theorizing, building and testing to solve problems.

SKILLS SUMMARY

Experienced in Fusion 360, SolidWorks [CSWA], MATLAB, manual and power tools, Ardupilot, CNC fabrication, 3D printing, laser cutting, mill, lathe, soldering and electronics, and Microsoft Office

EDUCATION & HONORS

B. S., Mechanical Engineering, University of Arkansas **Expected: May 2028**

Honors College
Earnest J. Wong San Francisco Bay Area Alumni Chapter Endowed Scholarship
Chancellor's and Dean's List
UA Leadership Scholarship Award
New Arkansan Non-Resident Tuition Scholarship Award

WORK HISTORY

Chargebotic **Flight Engineer, June 2026-August 2026**

Preparing for JIFX 2026 by performing flight tests to test hardware & firmware functionality
Configuring quadcopter with firmware, assembling RTK GNSS system and data tether
Specifying and creating telemetry tether, RTK GNSS system, and integrating systems
Creating & teaching safe and reliable operating procedure and troubleshooting guide

Local 16 San Francisco **Stagehand, June 2025-Present**

Contributing to high profile live events and productions across the San Francisco Bay Area
Furthering experience in electrical, lighting, audio/visual, set building, setup and breakdown
Continuing work at Walmart AMP in Rogers, Arkansas during classes

UARK Engineering College **Program Ambassador, January 2025-Present**

Leading educational classroom engineering projects at local elementary and high schools
Introducing prospective students to UARK engineering programs, facilities, and projects
Highlighting all the engineering college has to offer at outreach events and college fairs

PERSONAL ENGINEERING PROJECTS

FPV Drone and RC Airplane Fleet **January 2020-Present**

Operating, building and repairing various sized remote-control planes and FPV drones
Prototyping and iterating airframe designs for different applications (fixed/quad/FPV)

EXTRA CURRICULAR ACTIVITIES

Design Build Fly Competition Team Pilot **September 2025-Present**

Engaging annually with team to design and fly an aircraft achieving specific mission objectives
Performing aerodynamic calculations for stability, offering practical advice and feedback

AIAA Underclassmen Kit Plane and 3D Printed plane **January 2026-Present**

Leading a crop of younger students through model aircraft design, manufacturing, and flight
Training peers model aircraft manufacturing and design, as well to fly remote control airplanes

American Institute of Aeronautics and Astronautics **September 2024-Present**

Planning club events such as astronomy nights, general body meetings, and guest speakers
Participating member of propulsion team for student-led hybrid rocket project
Recruiting new members through tabling events