

(Permanent)
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Alan R. Marlowe
(United States Citizen)
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Mechanical Engineering student with a specialization in Propulsion and a minor in Business Administration

Education

Embry-Riddle Aeronautical University, Prescott, AZ 8/2011 – 2015

Bachelor of Science in Mechanical Engineering – Propulsion; Minor in Business

GPA - 3.174/4.0 While working 15-20 hours a week for Alan R. Marlowe Photography

Honors - ERAU Presidential Scholarship • Dean's List • Jet Dragster Team Scholarship • Honors Student Association

Research Projects

SIMULATED ENVIRONMENT EXPERIMENTATION PLUS, 9/2014 – 5/2015

Embry-Riddle Aeronautical University, Prescott, AZ

Design Team Lead

- Led Senior Capstone team research of a scaled design of Honeywell Aerospace's flow system rig to determine the most optimum mass flow conditions in order to cool the disk live rim slot
- Tested rig to design point of 3176 RPM
- Wrote a program to analyze accelerometer data using a Fast Fourier Transform
- Wrote a program to analyze pressure, temperature, RPM, and mass flow from rotating rig

Internship Experience

JET DRAGSTER TEAM, Embry-Riddle Aeronautical University, Prescott, AZ 9/2011 – 9/2014

LARSEN MOTORSPORTS (Jet Dragster Team Sponsor), Daytona Beach, FL – Intern Summer 2014

JET DRAGSTER TEAM, Embry-Riddle Aeronautical University, Prescott, AZ – Intern Summer 2013

Vice President & Director of Structures

- Member of team that designed and built "Eagle's Fury," the first and only student built and student designed Jet Dragster in the world
- Implemented, managed and maintained a social media presence on Facebook, Twitter and YouTube
- Represented the team at various conventions including AOPA SUMMIT 2013 in Fort Worth, TX
- Most experienced active member with 500+ logged hours on the project
- Initiated a time-card style program to accurately measure shop hours
- Official team photographer

Software Proficiencies and Additional Skillsets

MATLAB R2014b; CAD (Solidworks, Inventor, and CATIA); ANSYS; TIG/MIG Welding; Microsoft Word; Microsoft Excel; Microsoft Powerpoint; Microsoft Outlook; Microsoft Project; Adobe Photoshop CC 2015; Adobe Lightroom CC; Photography;

Work Experience

ALAN R. MARLOWE PHOTOGRAPHY 8/2011 - Present

CEO / Photographer / Social media and website curator

- Operate all functions related to the marketing and production of products featured on AlanRMarlowe.com
- Maintain correspondence with prospective and current clients to ensure satisfaction with final product
- Manage all finances related to sales, operational costs, and reinvestments

DEPARTMENT OF STUDENT LIFE, Embry-Riddle Aeronautical University, Prescott, AZ 8/2012-6/2013

Resident Assistant

- Organized social event that attracted 30% of the freshmen class, largest attendance for Department of Student Life event that year

Leadership and Volunteer Experience

HILLEL, Prescott, AZ 10/2012 –Present

President and Founding Member

- Worked for 18 months to start Hillel and completed such tasks as recruitment, advertising and social media to gain affiliation from both ERAU and Hillel International
- Coordinated community volunteer program and community outreach

BUFFALO GROVE RECREATION ASSOCIATION, Buffalo Grove, IL 2005 – 2014

Baseball Umpire

- Illinois High School Association Professional Umpire 2010-2014
- Received All-Star Umpire Award (2007, 2009); Brett Berlandt Award (Umpire of the Year) (2009)
- Selected by umpire managers to mentor younger umpires during 2009-2010 seasons

Volunteer for Buddy Baseball

2004-Present

- Responsibilities include assisting children and adults with special needs to allow them to play baseball