

Jacob A. Larkin

E-Mail: jake@jakelarkin.com

7820 Prairie Fire Ct, Westerville, OH 43082

Mobile: (614) 307-9808

PROFILE

I am a highly organized, dependable, self-motivated, personable employee with proven academic success and a strong work ethic who is seeking a fulltime position at Gulfstream to continue my Mechanical/Aeronautical Engineering career

EDUCATION

The Ohio State University – Bachelor of Science in Mechanical Engineering with Honors, Valedictorian GPA: 4.00
– Masters of Science in Aeronautical Engineering Minor in Entrepreneurship

HIGHLIGHTS OF QUALIFICATIONS

-Skilled in CATIA, AutoCAD, SolidWorks, LabVIEW, C++, MATLAB, Visual Basic, HTML, CSS, Java, Python, ANSYS & ICEM

ENGINEERING PROJECTS

Partner and Project Management Lead (January 2015 - Present) – Designli.co, experts in mobile app development

-Managing a development team responsible for building 20+ applications at a time and scaling the business

Graduate Research Associate (Autumn 2013 – January 2015) – Ohio State's Computational Aero Elasticity Laboratory

-Modeling the fluid, thermal and structural responses of surface panels in hypersonic flow for defense development

The Boeing Company Internship (Summer 2013) – Linings Design Engineer within the Interiors Responsibility Center

-Investigated issues with 737 sidewalls and implemented solutions by utilizing rapid prototyping and design testing

-Designed a tool (patent pending) to assist in sidewall manufacturing and save Boeing \$30,000 per year

Research Assistant (Autumn 2012 – Spring 2013) – Ohio State's Acoustics and Dynamics Laboratory

-Developing a Spline Dynamics Experiment to further understand impact damping and the effect of viscous damping

Gulfstream Aerospace Internship (Summer 2012) – Advanced Aircraft Program, Mass Properties Engineer

-Developed proficient methods for analyzing weight and mass properties in order to generate accurate reports

-Integrated a hydraulic fluid weight calculator into company wide mass properties software

Ohio State's Junior Year Air Motor Design (Autumn 2012)

-An automated, 6-cylinder, radial engine machined to very high tolerances and powered by a programmed Arduino

Ohio State's FEH Robot Design (Spring 2011) – An autonomous robot designed to navigate a demanding course while completing multiple tasks during a two-minute time limit, while staying well below a budget

-Responsible for the mechanical and electrical design of the robot, while playing a large role in the programming

-Received the *Most Consistent Award* for achieving the highest overall average score

EMPLOYMENT HISTORY

Ohio State University - *Laboratory Teaching Assistant*, Physics Department, Columbus, Ohio 2011 – 2012

-Responsible for teaching weekly physics labs with honors students learning about kinematics and electricity

Ohio State University, *University Registrar Assistant*, Registrar's Office, Columbus, Ohio 2012 – 2012

-Collect classroom data daily to be used for future renovations, furniture orders, and maintenance schedules

The Lakes Golf and Country Club, *Golf Attendant*, Golf Department, Worthington, Ohio 2006 – 2012

-Responsible for golf tournament preparation, general golf course maintenance, and member services

ACHIEVEMENTS

Ohio State University Outstanding Senior Awarded to less than 1% of Seniors who excel in Leadership, Service, and Scholarship

Outstanding New Student Organization (2014) and Outstanding Overall Student Organization (2015) Awarded to Inspire OSU

Received the Ohio State MEAS Top Academic Award (2012 & 2013) Highest scholar of Mechanical and Aerospace College

Received the Kenneth O. Smith Award (2012 & 2013) Highest merit and involvement within the Mechanical Engineering Program

Benjamin G. Lamme Scholar Awarded to the two most capable students enrolled in Mechanical & Electrical Engineering

Received the Ohio State Physics Teaching Award Excellent contributions determined through student evaluations

Achieved Dean's List for all of 2011, 2012, 2013 & 2014 3.50 GPA or higher

COFFEE Program Scholarship recipient through Ohio State University Engineering combined with Entrepreneurial curriculum

ACTIVITIES & INVOLVEMENT

Inspire OSU – President & Co-Founder 2013 – Present

-A student organization dedicated to making the process of community service more enjoyable, gratifying and efficient

Business Builders Club – President & VP of Membership 2013 – Present

-A group of passionate and highly capable students, who recruit, educate and fund students to foster entrepreneurship

Metro Middle School Engineering Club – Founder & President 2011 – Present

-An after school program for elementary students, designed to teach STEM topics through Arduino based projects

Common Cents Investment Group – President & Senior Advisor 2011 – Present

-A large student organization focused on increasing the knowledge of our members through discussion of investment strategies