

Curtis Erwin

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2441 S Stevenson St
Visalia, CA 93277

- Technical proficiency in agriculture machinery, design, fabrication, instrumentation, and data
- Valuable team member with strong charisma, communication, and organizational skills
- Problem solver with experience in various levels of technology development and field testing
- Quick learner and experienced teacher: resourceful and adaptive to feedback

EDUCATION AND EXPERIENCE

- Deere & Company, Visalia, CA- *Field Technology Integrator*.....May 2023 – Present
 - Installation, field testing, and support of GreenStar ISOBUS systems on High Value Crop machines
 - Dealership AMS support and lead for discovery/prototyping projects
 - Technical writing, BOMs, fabrication of harnessing and bracketry
 - Yield documentation, liquid and dry rate control, and AutoTrac/autonomy systems
- Profound Solutions, Clemson, SC- *Consultant*.....January 2022 – Present
 - Technical services focused on agriculture and turfgrass
 - Design, fabrication, irrigation, environmental services, aerial imagery for mapping
 - R&D, planning, estimating, contracting, marketing, and sales
- Clemson Precision Agriculture, Blackville, SC- *Technician*.....August 2022 – May 2023
 - Field experiments related to agriculture machinery, product testing, and design
 - Development of indexable databases based on Clemson Extension production guides
 - Maintaining and operating equipment and facilities
- Clemson University, Clemson, SC- *Graduate Student/ Teaching/ Research Assistant*.....August 2020 –
December 2022
 - M.S. Agriculture- Agriculture Systems Management
 - GIS, drone mapping, statistics, animal production, and machine design studies
 - Cumulative GPA: 3.64
 - Research Assistant: Unmanned Ground Vehicle Proximal Sensing for Forage Biomass Production Estimations
 - Instrumentation of unmanned ground vehicle to collect geospatial data on research plots
 - Teaching Assistant: Mobile Power and Hydraulics Laboratories
 - Planning and teaching of hands-on activities such as engine tear down and rebuild, dynamometer testing, and building hydraulic circuits
 - Maintaining laboratories and related equipment
- Walker Golf Course, Clemson, SC- *Greenskeeper*.....May 2020 – August 2022
 - Equipment operator
 - Grading, drainage, and stormwater management projects
 - Area estimations from aerial imagery
- Metromont Corporation, Greenville, SC- *Intern*.....December 2021 – May 2022
 - Assist operations management in custom prestressed concrete manufacturing
 - R&D project: increase efficiency of forklifts
 - Capture and analyze data, coordinate between departments, and compile research reports
- Clemson University, Clemson, SC- *Precision Ag Lab Assistant*.....August 2018 – August 2020
 - UAV construction and aerial imagery
 - Automation, robotics, and technology projects
 - Design, fabrication, wiring, and 3D printing

- Clemson University, Clemson, SC- *Undergraduate Student*.....August 2016 – May 2020
 - Scholarship recipient, President’s List & Dean’s List recognitions
 B.S. Agricultural Mechanization and Business
 - SolidWorks, AutoCAD, Microsoft Office, R Studio, C++ proficient
 - Farm calculations, fabrication, electrical, engines, hydraulics, irrigation, and surveying studies
 Business Administration Minor
 - Marketing, accounting, finance, economics, and public speaking studies
 Cumulative GPA: 3.36

- Element Farms, Florence, NJ- *Intern*.....May 2019 – August 2019
 - Hydroponic leafy green production, marketing, and order fulfillment
 - Development of automated valve control system on Arduino controller

- Carrigan Farms, Mooresville, NC- *Assistant General Manager*.....October 2013 – August 2018
 - Manage operations for catering and events, lifeguarding, ag tourism, and haunted trail
 - Design, construction, and maintenance of lights, sounds, and pneumatic systems for haunted trail
 - Red Cross certified lifeguard instructor for staff of 20-30
 - Maintaining farm pesticide records, inspections, and inventories

MEMBERSHIPS, POSITIONS, CREDENTIALS

- FAA Remote Pilot sUAS Certificate
- Certified SOLIDWORKS Associate
- American Society of Agricultural and Biological Engineers (ASABE)
- Agricultural Mechanization Club
- Clemson Agricultural Robotics and Automation Club- *President*
- Clemson Turf Club

INTERESTS & ACTIVITIES

- Dirt biking, RVing, golfing, motor boating
- Raising chickens, gardening, aquaponics

REFERENCES AVAILABLE UPON REQUEST