KIEL KOELPIN

6993 Jacobson Gardens, Philadelphia, PA • +1 (555) 759 0469

WORK EXPERIENCE

AGRICULTURAL CONNECTIVITY VALIDATION TEST ENGINEER **12/2015 - PRESENT**

Dallas, TX

- Identify new opportunities and/or niche markets to fuel business growth and expand
- Engage a broad range of stakeholders, from business leaders to farm managers
- Identify, establish and maintain strong relationships with new and existing clients
- Develop and implement business development strategies to achieve revenue targets
- Manage various agricultural projects (e.g. Environmental Impact Assessment (EIA), environmental permitting and reporting, environmental monitoring, auditing, etc.)
- Develop technical reports preparing bid, proposals and undertake technical reviews
- General well rounded appreciation of agricultural systems management including soils assessment and capability, land preparation and management, agronomy, livestock management, irrigation systems, intense agricultural systems, covered agriculture, forestry and aquaculture
- Demonstrated experience in analyses of soil physical properties and crop water and nutrition requirements and modelling

SUPERVISORY RESEARCH AGRICULTURAL ENGINEER **06/2009 - 06/2015**

Los Angeles, CA

- Familiarity with hydrogeological principles, groundwater systems, managed aquifer recharge and groundwater production and monitoring bore construction
- Proficiency in the use of spatial analysis tools (including ArcGIS/ArcMap or equivalent), post processing of data and map/plan preparation would be beneficial
- Understanding of regulatory processes associated with water resource and land development for agricultural use
- Demonstrated capacity to produce high quality technical reports
- Designing climate control systems for outdoor and indoor farming and livestock needs
- Designing equipment, processes, systems and facilities to improve the production, harvest and storage of agricultural products
- Testing and assessing equipment and products for quality, safety and compliance to health and environmental regulations
- Overseeing the development and operation of agricultural facilities

AGRICULTURAL GUIDANCE VALIDATION TEST ENGINEER **03/2002 - 02/2009**

Los Angeles, CA

- Be proficient in HMI and PLC control system operations
- Proficient in mechanical and electronic operation of equipment
- Proficient in electrical and mechanical print reading. Create mechanical and electrical drawings using Solidworks
- Develop and maintain efficient equipment assembly and test procedures in manufacturing
- Test and verify accurate machine operation with products. Work directly with manufactures on new products
- Research, design, and implement improvements to existing and new equipment/control processes
- Working closely with plant breeders and physiologists to develop a variety of customized vehicles for sensor deployment including carts, tractors, ground-based robots, UAVs, helicopters, and/or planes

EDUCATION

UNIVERSITY OF NEW MEXICO VALENCIA CAMPUS **1997 - 2001**

Engineer's Degree in Engineering

PROFESSIONAL SKILLS

- Experience with Yield Monitor systems
- Computers, networking devices, and various electronic equipment
- Written Test: Evidence of having successfully passed the Fundamentals of Engineering (FE)2 examination or any other written test required for professional registration by an engineering licensure board in the various States, the District of Columbia, Guam, and Puerto Rico
- Volt meters, various lab equipment, etc
- Proficy, Solidworks, MS Office, along with proprietary software packages
- Written Test -- Evidence of having successfully passed the Fundamentals of Engineering (FE)2 examination or any other written test required for professional registration by an engineering licensure board in the various States, the District of Columbia, Guam, and Puerto Rico
- Experience planning and conducting research and producing peer reviewed publications in irrigation, water use efficiency, water conservation, watershed modeling, plant growth modeling, plant physiology, or alternative cropping systems