BRYAN P. BLUE

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EDUCATION

The University of Arizona, Tucson, AZ   December 2018
Bachelor of Science, Sustainable Plant Systems (*cum laude*)
Emphasis in Controlled Environment Agriculture
Award: Outstanding Senior Sustainable Plant Systems   December 2018

Nova Southeastern University, Fort Lauderdale, FL   June 2004
Master of Science, Management Information Systems
Honor Society: Upsilon Pi Epsilon - Nova Southeastern University Chapter

The Ohio State University, Columbus, OH   June 1994
Bachelor of Science, Computer Information Systems

INVOLVEMENT

The University of Arizona, Tucson, AZ   April 2018 – August 2018
Directed Research
Evaluation of mature plant salt tolerance in experimental populations of alfalfa
- Mixed media, filled cones, seeded, established, and grew 1,600 alfalfa plants
- Irrigated with solutions of specified NaCl concentrations
- Harvested and recorded fresh weight data
- Conducted data analysis in R and generated final report

The University of Arizona, Tucson, AZ   May 2018 – August 2018
Vertical Farm Assistant
Multi-tier deep water culture closed loop vertical farm system. 4 - triple tray vertical units of lettuce divided into 2 experimental chambers
- Seeded, transplanted seedlings and harvested plants
- Collected fresh and dry weight data

The University of Arizona, Tucson, AZ   June 2016 – August 2018
Controlled Environment Agriculture Student Association
Greenhouse Manager   August 2016 – August 2017
- Student club greenhouse that consisted of ebb and flood, NFT, deep water, and aeroponic systems
- Maintained systems, supplies, and greenhouse facilities

SUMMARY OF EXPERIENCE

- Grew corn, tomato, and lettuce in greenhouse hydroponic systems using drip, ebb and flood, and deep water
- Plant science lab experience including managing alfalfa yield trials, course work in plant biology, physiology, pathology, and soil science
- Able to communicate with people at various levels
- Complete tasks that adhere to strict guidelines and deadlines
- Excellent problem solving and critical thinking skills
- Technical writing, documentation
- Able to train others

TECHNICAL SKILLS

Experience using Dosatron, Windows, Linux, Unix, Mac, Outlook, Word, Excel, Power Point, Visio, Solidworks, Photoshop, InDesign, technical writing, customer support, Wiki

WORK EXPERIENCE

The University of Arizona, Tucson, AZ   April 2017 – June 2018
Monsanto Seed Corn Trials
- Grew corn, maintained and troubleshooted 2 – 2,944 square foot, 32 tray ebb and flood hydroponic systems, each containing 768 corn plants; 2 additional 1,152 square foot greenhouses
- Served as temporary project manager, which involved overseeing the experiment and 7 student workers for 6 weeks
- Created nutrient stock solutions from fertilizer salts and micro-nutrients delivered by Dosatron devices
- Scouted for pests, monitored for disease and nutrient issues
- Transplanted, grew, hand pollinated, and harvested
- Collected data on plant height, ear, leaf, and kernel count

AdWriter, Inc., Sandusky, OH   December 1994 – September 2016
Sr. Vice President
- Maintained relations with over 40 national real estate brokerages, included 2 of the largest in the nation, Coldwell Banker NRT, and Berkshire Hathaway HomeServices
- Managed 35 employees from IT and Print Production departments
- Created booth designs, exhibited at national sales conventions
- Sales and negotiation of new contracts

Sr. Vice President Information Technology
- Designed and implemented project plans to relocate the company of 35 workers, 7 servers and a 15 VoIP phone system without work disruption
- Troubleshoot Windows/Mac workstations, peripherals, software, network connectivity
- Linux data center server maintenance
- Programmed and wrote shell scripts in Linux, Apache, MySQL, PHP environment

Technical Support
- Installed proprietary software, provided training and technical support for clients and employees
- Collected client's requirements and translated to technical specification for the IT department

The Ohio State University, Columbus, OH   August 1991 – June 1994
Computer Lab Consultant Supervisor
- Managed four computer labs, each consisted of 50 Unix workstations
- Worked with students from all skill levels on computer usage and programming in the UNIX environment
- Wrote BASH scripts for workstation policy enforcement
- Installed hardware and network installation, ran and terminated CAT-5 and fiber optic cables
- Promoted from lab consultant to supervisor in three months