

Daniel Gillespie

610.675.8372 gillespie.286@buckeyemail.osu.edu
<https://www.linkedin.com/in/dangillespiegreens>

EDUCATION

The Ohio State University, *Columbus, Ohio*

M.S., Horticulture and Crop Science, Anticipated Graduation: August 2019

The University of Arizona, *Tucson, Arizona*

B.S., Sustainable Plant Systems – Controlled Environment Agriculture, May 2017

HONORS

- 1st place M.S. research presentation – The Ohio State University Horticulture and Crop Science Graduate Student Symposium
- 1st place NE-1335 research poster competition
- 1st place in Rooftop Garden Design competition sponsored by the University of Arizona Student Union
- Dean's list (3.8/4.0); Spring and Fall 2016

WORK & RESEARCH EXPERIENCE

Graduate Research Associate, Ohio State University, January 2018-Present

- Conduct greenhouse and growth chamber research focused on root zone environment of leafy greens grown in hydroponic systems
- Develop and provide growers with solutions to mitigate disease, water quality issues, and nutrient disorders by optimizing root zone environment
- Present research findings at academic, industry, and extension events

Teaching Assistant, Advanced Greenhouse Production, Ohio State University, Spring 2018

- Oversaw greenhouse, crop, hydroponic, and IPM operations
- Taught students how to grow and maintain hydroponic high wire greenhouse cucumbers, tomatoes, peppers, and leafy greens from seed to harvest

Farmshelf, Plant Department Lead, July 2017-November 2017

- Oversaw plant operations including but not limited to, scheduling crop cycles, seeding, growing, and maintaining a variety of culinary crops in an indoor NFT and deep flow hydroponic system
- Communicated and worked with a team of engineers to improve current growing systems
- Trialed new substrates, LEDs, crops, and hydroponic systems in hopes to improve current growing systems, yields, quality of produce, and crop diversity

WORK & RESEARCH EXPERIENCE (CONTINUED)

Independent Research, *Undergraduate, University of Arizona, October 2016-April 2017*

- Conducted two trials of an Independent Research project on the nutrient uptake and deficiencies of hydroponic 'REX' lettuce in a deep-water hydroponic greenhouse system
- Recorded weekly water samples, daily pH and electrical conductivity readings, and collected fresh and dry mass of roots and shoots following harvest

University of Arizona, *Greenhouse Assistant, February 2016-May 2017*

- Assisted in hydroponic strawberry and leafy green production
- Proficient in seeding, transplanting, making and mixing nutrient solution from raw chemicals, scouting for pest and disease, harvesting produce, and ensuring greenhouse equipment is functioning properly
- Assisted in the teaching of the Hydroponic Lettuce Intensive Short Course offered by the University of Arizona
- Assisted in substrate trials for an industry leading producer of growing medium
- Oversaw greenhouse operations while supervisors were out of town

Longwood Gardens, *Seasonal Employee, May 2016 – August 2016*

- Irrigated, fertilized, and maintained a variety of horticultural plants in greenhouses and the field
- Pinched, tied, pruned, and staked plants to achieve desired growth patterns
- Operated trucks and landscaping vehicles such as Kubotas with trailers

University of Arizona, *Desk Assistant, Pima Residence Hall, August 2014 – September 2016*

- Processed resident inquires and concerns and communicated them to supervisor as needed
- Used interpersonal skills to contribute to a welcoming and nurturing environment
- Independently managed resident's keys and mail

Boedco General Contractor, *Laborer, June 2013-August 2014 (summer work)*

- Collaborated with an eight-man team to facilitate residential construction and renovation
- Proficient with most construction tools
- Drove supervisor's truck when needed to transport lumber and supplies
- Basic knowledge of roofing, drywall installation, siding, and hardwood floors

ATHLETIC EXPERIENCE

Student Athlete, *College Rugby at the University of Arizona, August 2013-February 2016*

- Engaged in strenuous physical training up to 14 hours a week to prepare for weekly games
- Traveled to various locations to play away games, including out of state
- Nationally ranked #12, D1A College Rugby