**Liam Reynolds** Phone: (872) 235-2032 ● Email: [liampr2@illinois.edu](mailto:liampr2@illinois.edu)

**Education**

**The University of Illinois at Urbana-Champaign**                                                               Class of May 2023

 Bachelor of Science in Agricultural and Biological Engineering – Biological Concentration               GPA: 3.94/4.00

Minoring in the Sustainability, Energy, & Environment Fellows Program (SEE FP) Dean’s List: Sp’20, Fa’20, Sp’21, Fa’21, Sp’22

**Work Experience**

**Milwaukee Microgreens,** Milwaukee, Wisconsin  ***May-Aug 2022***

*Farm Manager and Expansion Consultant*

* Led & delegated farm operations to produce over 3,500 trays of microgreens at ~330/week to ensure customers’ weekly standing orders, in addition to any specialty orders, were filled on time with superior quality microgreens; recurring orders ranged in size from 1oz-5 lbs. and were comprised of 35 microgreen varieties, 12 of which are specialty crops
* Created an operational procedure manual for the entire range of farm tasks including but not limited to seeding trays, germinating/watering trays, harvesting microgreens & packaging orders; Procedures were created to optimize both workflows of all farm tasks as well as to streamline new employee training & efficient completion of daily tasks
* Consulted with owners to implement a companywide labeling system, redesigned workspaces, onboarded the Seedleaf crop planning system, prospected new customers & conducted product testing as self-directed expansion deliverables

**Stakeholder Informed Innovations in the FEW Nexus,** Online  ***June-July 2021***

*Washington State University Undergraduate Cohort Researcher*

* Refined the definition of Urban Agriculture, enabling policymakers to better implement policy levers to expand and support Urban Agriculture, creating more sustainable cities
* Created a dynamic simulation for policymakers to test the impacts of their policies on the regional economy by revealing the policy’s effect on the allocation of factors of production

**Rocky Mountain Youth Corps**                                                                                   ***June-August 2020***

*Conservation Crew Member*

* Implemented conservation projects in North-Western & Central Colorado including 700m of post-n-cable fencing, 17 acres of forest thinning, digging over 1500m of trail, & constructing 2 75’ backcountry bridges in collaboration with the U.S. Forest Service & the Bureau of Land Management

**Project Experience**

**ENGR Study Abroad,** Cataño, Puerto Rico                                                                               ***May 2022***

* Collaborated with various stakeholders to design operational procedures for the emergency implementation of a potable water distribution network in post-disaster scenarios; 10 days on-site led to the additional implementation of an irrigation system for an educational greenhouse & mangrove nursery

**ACES Study Abroad,** Los Bancos, Ecuador                                                                                ***January 2020***

* Volunteered for 10 days on a 17-hectare farm in rural Ecuador to increase the variety of crops produced and the production capacity of the farm, leading to higher profits and an increased ability to spread techniques to other local farmers

**MIT LaunchX Entrepreneurial Program,** Chicago, IL & Boston, MA                ***August 2017-June 2018***

*Chief Financial Officer - Triton Technologies*

* Financed & collaborated with the team on a prototype autonomous boat to clean surface pollution in the Great Lakes; Won Midwestern competition allowing a presentation at the Global Conference at MIT

**Involvement and Leadership**

**Illini Urban Farmers,** *Member at Large (Former President)* ***November 2019-Present***

* Spearheaded the growth of the organization from ~20 to >120 members by collaborating with my executive team to implement new events including fundraisers, volunteering opportunities at local gardens, inviting guest speakers, interactive workshops, & social events

**Theta Tau Professional Engineering Fraternity,** *Member (Former Treasurer)*  ***September 2019-Present***

* Served on the Executive Board for a fraternity of over 100 members, delegated funds for new, Covid-19 safe, events while maintaining the professional, academic, and social development of the fraternity during the Covid-19 pandemic

**HeForSWE – Society of Women Engineers Affinity Group                                               *March 2020-February 2022***

*Co-Founder and Internal Vice President*

* Pioneered movement to help advance gender equality within STEM by providing a platform to involve and teach male students in ally-ship, inclusion, and advocacy

**Relevant Classes**

* CEE 330 – Environmental Engineering
* ABE 436 – Renewable Energy Systems
* ABE 341 – Transport and Separation Processes
* HORT 341 – Greenhouse Production & Management
* CHEM 232 – Organic Chemistry I
* ABE 452 – Engineering for Disaster Resilience
* HORT 435 – Urban Food Production
* CPSC 480 – Cannabis Classification & Management

**Skills**

* AutoCAD Inventor
* Python and MATLAB (Basics)
* Product Design
* (ABE 430) Project Management
* Independent Research
* Stella Architect Software
* Seedleaf Microgreen Planner
* Contextual Engineering