



TYLER KARTY

📍 BRIGHTON, MICHIGAN

PLANT SYSTEMS AND PRODUCTION

📞 (810) 588-0462 ✉️ TKARTY@PROTONMAIL.COM 🌐 WWW.LINKEDIN.COM/IN/TYLERKARTY

EDUCATION

MICHIGAN STATE UNIVERSITY – MAY 2016

BACHELOR OF SCIENCE, CROP AND SOIL SCIENCES
BACHELOR OF ARTS, ARABIC

COMMERCIAL CERTIFIED PESTICIDE APPLICATOR

Vegetable, Fumigants, Demonstration and Research Pest Management

GREENHOUSE MANAGER

MSU PLANT BIOLOGY CLUB
STUDENT HORTICULTURE ASSOCIATION

Funded Club budget by arranging donations, managing plant production tasks, and selling material at the annual Spring Show. In two days, our club set a record of \$47k in sales.

LANSING ROOTS FARM

GREATER LANSING FOOD BANK

400+ hours managing 10 acres of diversified organic vegetable production, post-harvest, and distribution. Gained labor management experience.

2016 DEAN'S REPORT THE COLLEGE OF ARTS & LETTERS

MICHIGAN STATE UNIVERSITY

Tyler Karty: A Passion for Bridging Cultures
Video Link

EXPERIENCE

RESEARCH TECHNICIAN

MICHIGAN STATE UNIVERSITY POTATO BREEDING AND GENETICS PROGRAM

📅 JANUARY 2018 - PRESENT 📍 EAST LANSING, MI

Producing and evaluating conventional and genetically engineered potato varieties in controlled environment greenhouses, hydroponic systems, and multiple field locations. Breeding of diploid and tetraploid potatoes, and generating fruit, seed, tubers, tissue culture, and certified potato seed for commercial and research purposes. Performing trials for agronomic traits, pest resistance, and diploid breeding in the field, greenhouse, and lab.

PRESIDENTIAL INTERN

AMERICAN UNIVERSITY OF CAIRO

📅 SEPTEMBER 2016 - JULY 2017 📍 CAIRO, EGYPT

At the Research Institute for a Sustainable Environment (RISE), managing vegetable production, rootstock breeding nursery, and the AUC community farm. Designing and building hydroponic system for rooftop use. Communicating and coordinating with RISE team to develop project plans.

RESEARCH TECHNICIAN

MICHIGAN STATE UNIVERSITY SOIL BIOPHYSICS LABORATORY

📅 JANUARY 2015 - AUGUST 2016 📍 EAST LANSING, MICHIGAN

Planning, installing, and operating field, greenhouse, and lab equipment in rain-fed and irrigated crop production for the Subsurface Water Retention Technology (SWRT) research program. Managing large-scale collection and analysis of plant and soil physiological, chemical, microbial, soil water, and root data. Developing, managing, and analyzing greenhouse experiments.

LAB ASSISTANT

MSU SOIL AND PLANT NUTRIENT TESTING LABORATORY

📅 MAY 2014 - DECEMBER 2014 📍 EAST LANSING, MICHIGAN

Testing soils for different nutrient and physical properties and recording data. Mixing chemicals and operating soil testing equipment according to protocol. Organizing and completing in-processing of samples.

AGRONOMIST INTERN

CHS INC.

📅 MAY - AUGUST 2013 📍 GRAND MEADOW, MN

Evaluating field and crop conditions. Communicating recommendations with customers and agronomist to protect crop quality and value. Helped producers increase value and solve agronomic challenges under the Head Agronomist.