

SPECIALIZED COURSES AND SKILLS

Inorganic Chemistry I & II, Organic Chemistry I & II, Calculus I, Soil Chemistry, Soil Science, Watershed Hydrology, Field Soil Morphology, Physical Geology, Survey of Instrumentation, Cells and Molecules, Environmental Issues, Environmental Sustainability.

GIS Arcmap, ArcScene, ArcMap Pro, Microsoft Excel

Project Management, Organization, Problem Solving, Data interpretation, Multitasking

EDUCATION

Stockton University, Galloway Township, NJ - Fall 2015 to Spring 2021

GPA: 3.32

B.S in Environmental Science, concentration in Hydrology and Soil Science, and minor in Chemistry

RESEARCH

Vineyard Soil Chemistry - Summer 2020 to Spring 2021

Field sampling, project management, total metal lead extractions using aqua regia digestion and flame atomic absorption spectroscopy, textural determination, particle density, and mass moisture content.

Roadway Soil Contaminants - Fall 2019 to Spring 2020

Field sampling, project management, total lead analysis, removal of SOM and SOC by loss of ignition using a muffle furnace, particle size analysis, textural determination, and data interpretation.

Grapevine Soil Fertility - Summer 2018 to Spring 2019

Field sampling, removal of SOM and SOC by loss of ignition using a muffle furnace, soil particle density, particle size analysis, textural determination, and landscape interpretation.

RELATED EXPERIENCES

Soil Judging Team Field Soil Morphology - Maryland University - Fall 2019

Competed at Maryland University for the regional National Collegiate Soils Contest (NCSC). Location-based learning and practice with soil profile descriptions and landscape interpretations using a variety of soil physical and chemical properties.

Vineyard Soil Chemistry Senior Project - Stockton University - Summer 2020 to Spring 2021

Trace Metal Bioavailability in New Jersey Vineyard Soils; revised by Dr. Hallagan. Presented for the NAMS Symposium (<https://hartma51.wixsite.com/soils>)

Teaching Lab Assistant - Stockton University - Spring 2020 to Spring 2021

Soil Science Lab - Dr. Hallagan - Jessica.Hallagan@stockton.edu

Physical Geography Lab - Dr. Witt - Emma.Witt@stockton.edu

Organic Chemistry I Lab - Dr. Wohlrab - Aaron.Wohlrab@stockton.edu

Assistant Manager - Atlantic City, NJ - Summer 2018 to Spring 2021

Flying Point Surf and Sport, Manager - Dave@Flyingpointsurf.com