



ALEXANDER GOKE madison, wi +1 (608) 609-4151 atgoke@wisc.edu
Motivated recent graduate pursuing further discovery in tree ecology, physiology, and improvement

education

university of wisconsin
sep. 2011 – may 2016

- B.Sc. Agricultural Sciences
- Majors in Botany, Conservation Biology, and Life Sciences Communication; certificate in Environmental Studies

experience

research assistant
musacchi lab of orchard management
washington state university
sep 2016 – present

- Assist with the evaluation of near-infrared spectroscopy as a means of non-destructive fruit quality analysis in apple and pear

laboratory technician
uw optical imaging core facility
university of wisconsin
nov. 2015 – sep 2016

- Streamline the operation of a high-traffic, interdepartmental microscopy facility including training and assisting researchers on instrumentation, monitoring and maintaining instrument performance, and developing experiments on a case-by-case basis depending on specific research needs
- Manage facility computing resources including hardware, operating systems, analysis software packages, website and instrument reservation interfaces, and assist in image processing and analysis
- Assist in day-to-day administrative tasks including scheduling and billing of usage, organizing and ordering supplies, creating purchase orders, and interfacing with users, departments, and vendors

undergraduate research assistant
damschen lab of plant ecology
university of wisconsin
may 2015 – present

- Investigate endozoochoric seed dispersal ecology of longleaf pine ecosystems
- Manage all aspects of a small-scale greenhouse operation including daily plant care, development and implementation of treatment, observation, and collection protocols, and facility organization
- Direct four undergraduate student researchers as they assist with lab and greenhouse projects
- Conducted field work May through August 2015 supporting the maintenance of a well-regarded LTREB study site at US Forest Service-Savannah River, South Carolina

undergraduate research assistant
townsend lab of forest ecology
university of wisconsin
jan. 2015 – may 2016

- Inspect the resin duct anatomy of whitebark and lodgepole pines and determine their responses to climatic change involving techniques of dendrochronology and climatology, tree core analysis, and evaluations of environment-physiology interactions

lab assistant
clayton lab of introductory botany
university of wisconsin
sep. 2014 – dec. 2014

- Prepared student lab exercises for Introduction to Botany (Botany 130) lab sections
- Performed general lab maintenance duties including organizing and maintaining supplies

herbarium assistant
wisconsin state herbarium
may 2014 – dec. 2014

- Digitally imaged, classified, databased, and cataloged thousands of herbarium lichen specimens in participation with National Science Foundation Advancing Digitization of Biological Collections program

o t h e r

communications intern
wisconsin energy institute
oct. 2013 – may 2015

program manager
university of wisconsin-extension
feb. 2013 – aug. 2014

marketing intern
university of wisconsin-extension
dec. 2012 – aug. 2014

development intern
aldo leopold nature center
may 2012 – sep. 2012

hoofers mountaineering club
VP '15-16, webmaster '14-15
jan. 2013 – may 2016

hoofers scuba club
member
sep. 2014 – may 2016

mad city vegan fest
organizing board member
jun. 2011 – aug. 2015

dane county humane society
administrative assistant
feb. 2012 – sep. 2013

s k i l l s

wilderness first aid
april 2014

- greenhouse propagation
- general plant care
- biological plant collections

- field vegetation monitoring
- plant trait collection
- widefield & fluorescent microscopy

- organization/recordkeeping
- project management
- microsoft office

first aid / AED / CPR
may 2015

- experimental design
- data analysis & visualization

- confocal microscopy
- digital image analysis

- adobe creative suite
- technical writing and reporting