

**NAME**

Street Address

Minneapolis, MN 11111 US

Mobile: 1111111

Email: 11111t@gmail.com

**Availability: January 2019**

**Job Type:** Permanent, Temporary, Term, Detail, Recent Graduates

**Work Schedule:** Full-Time, Part-Time, Job Sharing

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**Work Experience:**

**University of Minnesota**

**Department of Forest Resources**

1530 Cleveland Ave N

Saint Paul, MN 55108 United States

**10/2016 - Present**

**Hours per week:** 30

**Research Fellow/Research Assistant**

**Duties, Accomplishments and Related Skills:**

Actions:

Data collection, data management, data analysis, reporting, presenting research findings

Computer software used:

Arc GIS; Avenza maps; Google Docs, Sheets and Maps; Microsoft Excel, Word, and Powerpoint; PC-Ord; R, R-Studio

Highlights:

Monitored planting of, planned, established protocol, and collected height data from over 6000 Bur oak seedlings at four different sites, and diameter data from 300 seedlings at one site.

Mapped and digitally collected data using Arc GIS, and Avenza Maps. Supervised one employee on GIS work and in the field. Analyzed differences in height and diameter growth between seed source provenances using R and Microsoft Excel. Reported findings to Great River Greening and communicated with them about the project on a regular basis regarding planting, maintenance, and research needs and goals. This was a Legislative-Citizen Commission on Minnesota Resources project awarded to Great River Greening, who contracted the University of Minnesota to do the research.

Used polar ordination and non-metric multidimensional scaling to analyze multivariate vegetation community data derived from US Forest Service Inventory and Analysis data to assess communities and successional pathways of Bur oak. Analysis was done in R and in PC-ORD. Presented public research seminar at the University of Minnesota (2018). This research is part of my Master's thesis.

Used relationships between climate and biome in conjunction with CHELSA high resolution climate data and a digital elevation model to create a climate-biome envelope model of the Midwestern US and adjacent Canada in R software, then applied the model to future downscaled

climate information. This work was part of the basis for the Forest Vegetation portion of the “Climate Change Adaptation Planning for Northern Forest Ecosystems in the Great Lakes National Parks”, a National Park funded project. Analyzed the amount of protected land in each climate-biome envelope in the recent past and in the future. Wrote analysis as a manuscript for publication. Presented biome model project in the Natural Resources Association of Graduate Students Symposium (2018). This research is part of my Master's thesis.

**Supervisor:** Name (phone number)

**Okay to contact this Supervisor:** Yes

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**University of Minnesota**

**Department of Forest Resources**

1530 Cleveland Ave N

Falcon Heights, MN 55108 United States

**01/2018 - 05/2018**

**Hours per week:** 20

This was a time-limited appointment

**Teaching Assistant**

**Duties, Accomplishments and Related Skills:**

For FNRM 3218/5218: Measuring and Modelling Forests class

Actions:

Hosted 3 office hours each week to assist graduate and undergraduate students with coursework and homework; taught concepts one-on-one on an as-needed basis; graded homework; assisted with grading exams.

**Supervisor:** Name (phone number)

**Okay to contact this Supervisor:** Yes

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**US Forest Service**

320 Hwy 53

Cook, MN 55723 United States

**05/2016 - 10/2016**

**Hours per week:** 40

**Series:** 0462 **Pay Plan:** GS **Grade:** 5/2

This a time-limited appointment

**Forestry Technician - Timber Stand Improvement (This is a federal job)**

**Duties, Accomplishments and Related Skills:**

Actions:

Conducted silviculture walkthroughs: estimated density, identified tree, shrub, and herbaceous species; collected stand data for prescriptions and presale information; conducted stocking and survival surveys in young pine plantations and assessed need for timber stand improvement; assisted with timber cruising; created maps; navigated with topographic maps and GPS, worked outside in inclement weather.

Trainings:

USFS Region 9 Timber Cruiser Training (2016); ATV; Trailer pulling; CPR; First Aid

Computer software used:  
Arc GIS, Microsoft Excel

Highlights:

Caught up on an accumulated backlog of work and finished all 2016 plantation stocking and survival surveys on time despite losing one employee dedicated to the surveys to employment elsewhere, demonstrating good time management, efficient work, and perseverance.

Helped organize and schedule crew to accomplish field work.

Worked both alone and lead a crew to accomplish silviculture walkthroughs.

Communicated clearly with supervisor and work-leader about schedule, personnel, and field observations.

**Supervisor:** Name (phone number))

**Okay to contact this Supervisor:** Yes

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### **Self Employed Woodworker**

Street Address

Minneapolis, MN 11111 United States

**11/2013 - present**

**Hours per week:** 20

**Woodcarver, Woodworker, Carpenter**

**Duties, Accomplishments and Related Skills:**

Actions:

Carve, finish, and sell wooden objects including spoons, boxes, belt-knives; craft and sell bark boxes and ash splint baskets, participate in craft fairs, teach classes, and perform carpentry jobs.

Highlights:

Independently organized, planned, and taught a successful multi-day wooden spoon carving class to 7 people in January 2014.

Independently planned and taught a successful axe-handle carving class at Lake Superior Traditional Ways Gathering in 2014 and 2015.

Independently designed and both independently and cooperatively built an 8'x20' "tiny home" on a trailer frame, project included successfully managing a tight budget, contracting welding work, and ordering and shopping for materials, framing walls and sheeting walls and roof, installing metal roofing, installing door, windows, and stove jack, working cooperatively with other people to install insulation, interior paneling and trim.

Applied for, received, administered, and managed a budget for a Minnesota State Arts Board Grant for a project to learn bowl carving from master carver Tom Dengler in 2017; Planned and held an exhibition of our work at First Stage Gallery in Virginia, MN, in October 2017.

Sold work independently, at various craft fairs, and the Kingfield Farmer's Market, and consigned work at Irma's Finland House in Virginia, MN, and at the Maker's Studio in Excelsior, MN.

**Supervisor:** Name (phone number)

**Okay to contact this Supervisor:** Contact me first

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**Wintergreen Remodeling**

76175 Paulson Road

Washburn, WI 54891 United States

**09/2015 - 10/2015**

**Hours per week:** 30

This was a project-limited appointment

**Carpenter**

**Duties, Accomplishments and Related Skills:**

Actions:

Worked under supervision to perform roof demolition and installation of insulation, sub-roofing, and metal roofing; used carpentry and demolition tools including circular saws, compound miter saws, table saws, angle grinders, impact drivers and drills; erected scaffolding.

Highlights:

Worked safely with the proper harnesses at heights and in stressful conditions, demonstrating level-headedness, decision-making, and good communication.

Communicated clearly and worked closely with coworkers and supervisors to convey important information and accomplish the job safely and efficiently.

**Supervisor:** Name (phone number)

**Okay to contact this Supervisor:** Contact me first

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**Name of Business Owner**

Street Address

Mellen, WI 54546 United States

**05/2015 - 06/2015**

**Hours per week:** 40

This was a project-limited appointment

**Carpenter**

**Duties, Accomplishments and Related Skills:**

**Actions:**

Worked under supervision to perform roof demolition and installation rafter sisters and metal roofing; used carpentry and demolition tools including circular saws, compound miter saws, table saws, angle grinders, impact drivers and drills.

**Highlights:**

Worked safely with the proper harnesses at heights and in stressful conditions demonstrating level-headedness, decision-making, and good communication.

Communicated clearly and worked closely with coworkers and supervisors to convey important information and accomplish the job safely and efficiently.

**Supervisor:** Name (phone number)

**Okay to contact this Supervisor:** Contact me first

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**Name of Business Owner**

Street Address

Duluth, MN 55806 United States

**06/2014 - 05/2015**

**Hours per week:** 35

**Carpenter**

This was a project-limited appointment

**Duties, Accomplishments and Related Skills:**

**Actions:**

Worked under supervision to install timber frame structure, frame stick-framed walls, set pre-fabricated roof trusses, erect scaffolding, install plywood sheathing on walls and roof, install metal roofing and metal roofing trim, prepare stair components – gluing up, planning, and cutting treads and risers and spindles, construct door frames, install windows and doors, install water barriers and sheet foam insulation on exterior, mill, paint and install soffit and fascia, install cedar lap siding, install strawbale insulation, install drywall, prepare plaster from natural clay and from produced clay powder, apply plaster to drywall and strawbales, install interior and exterior trim; used carpentry and demolition tools including circular saws, compound miter saws, table saws, angle grinders, reciprocal saws, impact drivers and drills, planers, sanders.

**Highlights:**

Worked safely in stressful conditions demonstrating level-headedness, decision-making, and good communication.

Communicated clearly and worked closely with coworkers and supervisor to convey important information and help build a beautiful, craftsman designed 30'x30' 2.5 story home in the city of Bayfield, WI.

**Supervisor:** Name (phone number)

**Okay to contact this Supervisor:** Contact me first

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**Three Rivers Park District**

3000 Xenium Lane

Plymouth, MN 55441 United States

**04/2013 - 10/2013**

**Hours per week:** 40

This was a time-limited appointment

**Water Resources Field Technician**

**Duties, Accomplishments and Related Skills:**

Actions:

Performed surface water, groundwater, and soil sampling, decontaminating sampling tools, sampled water from watercraft using Kemmerer and van dorn samplers, operated and towed motorized watercraft, installed and maintained approximately remote water samplers and dataloggers, calibrating troubleshooting and operated water quality sonde units, and conducted aquatic vegetation surveys, used aerial photos to count horses for a modelling estimation, assisted in wetland delineations, all to support total maximum daily load assessments and water quality management programs

Highlights:

Maintained sampling schedule for many lakes each week, and successfully collected samples from streams and automatic samplers under the expiration time after each rain event to capture water quality data during times of peak flow, demonstrating good time-management skills.

**Supervisor:** Name (phone number)

**Okay to contact this Supervisor:** Yes

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**Peer Engineering, Inc**

7615 Golden Triangle Drive

Suite N

Eden Prairie, MN 55344 United States

**05/2012 - 03/2013**

**Hours per week:** 40

**Environmental Engineer**

**Duties, Accomplishments and Related Skills:**

Actions:

Drafted planning and final reports for Phase II Environmental Site Assessments, conducted environmental construction monitoring to ensure agreement with Minnesota Pollution Control Agency regulations, collected soil and water samples, logged temporary well installations, coordinated field work and scheduling

Highlights:

Independently represented Peer Engineering on a months-long Minnesota Department of Transportation (MnDOT) reconstruction project in Ada, MN. Monitored construction, and communicated with contractors that had competing interests and with MnDOT.

Independently represented Peer Engineering on a week-long Minnesota Pollution Control Agency project in St. James, Minnesota. Communicated and coordinated with well-installation

contractor and logged well installation and collected soil and water samples for analysis.

Successfully tracked billable hours for multiple projects each pay-period, demonstrating organization skills.

**Supervisor:** Name (phone number)

**Okay to contact this Supervisor:** Contact me first

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**University of Minnesota**

**Department of Geology and Geosciences**

310 Pillsbury Drive SE

Minneapolis, MN 55455 United States

**01/2012 - 05/2012**

**Hours per week:** 20

**Research Technician**

**Duties, Accomplishments and Related Skills:**

Actions:

Epoxying and polishing rock sample slides in preparation for x-ray tomography in support of a project the feasibility of utilizing carbon dioxide as the working fluid for a geothermic power plant.

Highlight:

Used the synchrotron x-ray tomography machines at Argonne National Labs to obtain high-resolution images of the pore space in rocks.

**Supervisor:** Name (phone number)

**Okay to contact this Supervisor:** Yes

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**US Bureau of Land Management**

111 Garryowen Rd

Miles City, MT 59301 United States

**06/2011 - 09/2011**

**Hours per week:** 40

**Series:** 1316 **Pay Plan:** GS **Grade:** 4/1

This was a time-limited appointment

**Hydrologic Technician** (This is a federal job)

**Duties, Accomplishments and Related Skills:**

Actions:

Performed stream surveys using a total station and a GPS unit, recorded vegetation, and assessed stream health using established criteria, navigated using GPS and topographic maps

Highlights:

Lead our 2 member team for the season

Created and maintained work schedule, exceeded the goal amount of streams to map and assess in the season

Communicated with landowners sometimes opposed to government entities to access property

**Supervisor:** Name (phone number)

**Okay to contact this Supervisor:** Contact me first

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**University of Minnesota**

**Department of Geology and Geosciences**

310 Pillsbury Drive SE

Minneapolis, MN 55455 United States

**02/2010 - 05/2011**

**Hours per week:** 15

**Student Researcher**

**Duties, Accomplishments and Related Skills:**

Actions:

Re-built and tested a well temperature-depth profiler, researched and tested calibration methods for deep well temperature profiling as part of a geothermic energy research project investigating the feasibility of utilizing carbon dioxide as the working fluid for a geothermic power plant.

Highlight:

Presented research poster at Minnesota Groundwater Association Conference (2011), worked independently and with a graduate student, communicated and sought help from senior lab members when needed.

**Supervisor:** Name (phone number)

**Okay to contact this Supervisor:** Yes

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**Grease Pit Bike Shop**

2750 Bloomington Ave

Minneapolis, MN 55407

**06/2009 - 09/2012**

**Hours per week:** 8

**Collective Member and Co-Manager (Volunteer)**

**Duties, Accomplishments and Related Skills:**

Actions:

Cooperatively managed the all-volunteer Grease Pit Community Bike Shop, organized outreaches and fundraisers, made shop decisions related to budget, and policy, taught hands-on bicycle maintenance and repair using wrenches, screwdrivers, hammers, and other tools, and donated parts

Highlights:

Helped manage shop through transition period during which the shop was forced to unexpectedly relocate, demonstrating adaptability. Helped keep shop open in temporary space and eventually obtained and opened a new shop, where it still exists, demonstrating perseverance.



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**US Forest Service**

8901 Grand Ave Place  
Duluth, MN 55808 United States

**05/2009 - 08/2009**

**Hours per week:** 40

**Series:** 0404 **Pay Plan:** GS **Grade:** 3

**Biological Aide** (This is a federal job)

This was a time-limited appointment

**Duties, Accomplishments and Related Skills:**

Actions:

Collected and preserved lake water nutrient and mercury samples, used "clean hands, dirty hands" protocol for contamination-sensitive mercury samples, operated motorized and non-motorized watercraft, traveled in remote locations, all for a research project investigating the effect of fires on the mercury cycle

Highlights:

Increased sample frequency of all lakes from previous standard of 2 times per summer to 3 times per summer, creating a more robust data set for analysis.

**Supervisor:** Name (phone number)

**Okay to contact this Supervisor:** Yes

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**University of Minnesota M.S. Natural Resources Science and Management** Minneapolis, MN United States

Some College Coursework Completed: Expected completion – December 2018

**GPA:** 4.0 of a maximum 4.0

**Credits Earned:** 34 Semester hours

**Major:** Forests: Ecology Biology Conservation and Management

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**Education:**

**University of Minnesota: Bachelor of Geoengineering** Minneapolis, MN United States

Bachelor's Degree 05/2011

**GPA:** 3.72 of a maximum 4.0

**Credits Earned:** 175 Semester hours

**Major:** Geological Engineering

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**Job Related Training:**

Class D Driver's License

USFS Region 9 Timber Cruiser Training (2016)

Trailer Pulling (2016)

ATV Operating (2016)

CPR (2016)

First Aid (2016)

Master Naturalist North Woods Great Lakes Training (2016)

Multiple Indicator Monitoring of Stream Channels  
and Streamside Vegetation (2011)  
Fundamentals of Engineering Exam (F.E.) (2012)

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**References:**

<b>Name</b>	<b>Employer</b>	<b>Title</b>	<b>Phone</b>	<b>Email</b>
Abe Lincoln (*)	University of Minnesota		111-111-1111	11111@umn.edu
Rosa Parks (*)	USDA Forest Service		222-222-2222	22222@fs.fed.us
Dr. Seuss (*)	Three Rivers Park District		333-333-3333	3333333@ThreeRiversParks.org

(\*) Indicates professional reference

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**Additional Information:**

US Citizen; registered for selective service

**Grants and Awards:**

Wood-Rill Fellowship for Forest Ecology (2017-2018); for Master's thesis work; \$37,000/yr

Minnesota State Arts Board Traditional Arts Grant (2017); for green wood bowl carving apprenticeship; \$5024

Undergraduate Research Opportunities grant (2010); for an geological engineering research project: A comparison of the wheatstone bridge and kelvin connection for high precision temperature versus depth geotherm measurements; \$1800

Undergraduate Research Opportunities grant (2009) for an environmental engineering research project: TCE and Naturally Occuring Dehalococoides Bacteria: \$1800

**Software Knowledge Summary:**

Esri ArcGIS Expertise –used for mapping and solving spatial problems

Microsoft Excel Expertise -used for tabulation and for performing mathematical Calculations

Microsoft Power Point Expertise – used as a graphic aid for presentations and posters

Microsoft Word Expertise –used for preparing reports and formal communications

PC-Ord –used for for polar ordination and non-metric multidimensional scaling (multivariate analysis)

R Statistical Software Expertise –used for data analysis and plotting

GPS Working Knowledge –used for navigation and recording locations in digital format

**Practical skills and personal interests:**

Maintaining woodworking and forestry tools including knives, planes, handsaws, and chainsaws

Experience using chainsaws and woodworking power tools with appropriate safety equipment

Planning and leading personal wilderness trips by canoe and foot in all seasons

Interpreting topographic maps and geographic position system data for navigation and other information

Planting, maintaining and harvesting a personal vegetable garden

Harvesting and preparing wild foods including wild rice, mushrooms, maple syrup, and various greens, and hunting deer and grouse, and fishing.