Tyler J. Sheldon

Corvallis, OR 97333 · ██████████ · ██████████

EDUCATION

Middlebury College | Middlebury, VT   2018
Bachelor of Arts in Computer Science, *summa cum laude*

Universidad Austral de Chile | Valdivia, Chile   2017
Semester abroad program with coursework in Latin American history, Spanish language, CS

PROFESSIONAL INTERESTS

Software Engineering, Wildlife Ecology and Conservation, Geographic Information Systems, Science Communication, Sustainable Design

PROFESSIONAL EXPERIENCE

Wildlife Field Technician | Saint Maries, ID   2021
Idaho Department of Fish and Game/University of Idaho
– Monitored moose cows and calves using ground VHF telemetry techniques
– Conducted field necropsies, often carrying out over 50 lbs of organ samples across rough terrain
– Performed regular GIS analysis of moose movement patterns

Web Development Consultant, part-time | West Hartford, CT   2020 - 2021
Westfield Academy of Debate and U.N.
– Designed and implemented an interactive webmap to showcase Westfield's global community
– Designed layout and wrote copy for current Westfield website

Teacher: IB Computer Science, Algebra; Inclusion Specialist | Hyannis, MA   2018 - 2020
Sturgis Charter Public School
– Designed and taught original curriculum for IB Computer Science
– Created a suite of ecological game simulations to teach computer modeling

Volunteer Bander | Brewster, MA   2019 - 2020
Wing Island Bird Banding Station
– Patrolled 800ft of mist-netting in a coastal wetland setting, assisted in recording data

COURSEWORK

Computer Science [Major]
Theoretical and applied computer science with an emphasis on spatial analysis
– Collaborated with Middlebury animators to design a tool for [animating fractured 3D meshes](#)

Ecology
Coursework focus on fieldwork and conservation
– Fieldwork techniques including mist-netting, small mammal trapping (Sherman traps), electrofishing

GIS & Cartography
Human geography with an emphasis on map design
– Modeled and mapped [microterrain](#) of New England woodlands using photogrammetry software
– Researched and designed [historical maps](#) of OMDP National Monument

Physics, Spanish Language

COLLEGE WORK EXPERIENCE

Middlebury College Climbing Wall   2016 - 2018
Wall Monitor

Middlebury Outdoor Programs   2015 - 2018
Outdoor Orientation Leader: backpacking, rock climbing, canoeing
– Hiked, climbed, paddled through the Green and Adirondack Mountains
– Led groups of 8-10 first-years, planning itineraries and meals

COMPUTER SKILLS

Programming Languages: Python (advanced), Javascript/CSS/HTML (intermediate), Java (basic), C (some exposure); programming tools: d3 (advanced)

Software: ArcGIS (intermediate), QGIS (intermediate), Adobe Photoshop & Illustrator (advanced), Blender (intermediate)

FIELD SKILLS

– Ground VHF telemetry
– Ungulate necropsies, sterile sampling procedures
– Camera trap setup and data collection
– Fawn capture and collaring, *Odocoileus virginianus* and *O. hemionus*

- Safe snare trap design and repair, *Ursus americanus*
- Mist-netting, avian identification
- Wilderness First Responder certified, 2014 - 2020

LANGUAGE SKILLS

Highly proficient in written and conversational Spanish