

JAMES PELTON

Job Announcement Number: LAVO-08-27-TEMP

387 12TH ST. • ARCATA, CA 95521 • PHONE (707) 243-8892 • E-MAIL JPELTON@HUMBOLDT.EDU • SSN xxx-xx-xxxx

Seeking a position as...

BIOLOGICAL SCIENCE TECHNICIAN (FIRE EFFECTS MONITOR)

Highly skilled, hard working, and physically fit team player with valuable field experience in diverse ecosystems. Currently pursuing a B.S. in Environmental Technology with a concentration in Wilderness Conservation and a Minor in Forestry.

Experience

Biological Science Technician (Fire Effects Monitor) - Redwood National Park Orick, CA

- Established and sampled vegetation plots following prescribed or FMH protocols in varying ecosystem.
- Utilized dichotomous keys for identification, collected, and cataloged plant species.
- Entered and routinely quality checked data into FEAT.
- Served as FEMO in training by precisely monitoring, obtaining, and recording fire data, reporting fire data on the hour, and using a GPS unit to plot the burn area perimeter for prescribed burn.
- Operated as member of four-person ignitions team requiring strong communication, attentiveness, and ability to follow specific directions for prescribed burn in Redwood National Park.
- Utilized expert knowledge of operation of GPS (Garmin) and digital cameras for the documentation of sampled sites.

Salary: GS-04/ \$12.36/hr
40 hrs/wk

Contact: Fire Effect Monitor Lead Martha Smith - 707-949-8520 (Contact) May 2007-Sept 2007

Fire Engine Detail - Redwood National Park Orick, CA

- Suppresses Seven Eleven Complex Six Rivers National Forest.
- Instructed operation of GPS (Garmin) equipment to crewmembers.
- Trained in hand tool upkeep/usage and fire engine operations including portable pump (Mark III).
- Maintained composure in harsh fire conditions including smoke, rough terrain, and heat.

Salary: GS-04/\$12.36/hr
40 hrs/wk

Contact: Redwood Engine Captain 10 George Littletown - 707-849-6932 (Contact) July 2007

Research Assistant - Humboldt State University/ Humboldt Redwoods State Park/Redwood National Park Arcata, CA

- Utilized GPS (Garmin), clinometer, laser range finder, prism and diameter tape.
- Orienteered by hand and staff compass, topographic and/or aerial photos to locate permanent plots over rugged terrain on a systematic grid.
- Evaluated forest restoration thinning prescriptions in Humboldt Redwoods State Park
- Felled trees for growth ring analysis Redwood National Park.
- Collected data in remote backcountry locations accessed by walking over rugged terrain

Salary: \$10 hr / intermittent

Contact: Julia Trenton - 202.487.9112 (Contact) Nov 2006 - Mar 2007

Project Manager - Campus Center for Appropriate Technology/Humboldt State University Arcata, CA

- Oversaw up to 30 Humboldt State University student projects per semester.
- Liaisoned among CCAT Co-Directors, professors and students throughout school semester.
- Provided assistance, mentorship and encouragement, in the design, oversight and completion of student class projects and CCAT employee projects.

Salary: \$8 hr / 8 hrs/wk

Contact: Co - Director Thomas Gates 707-826-8888 Jan 2006 - Present

Research Assistant - Schatz Tree Farm/Humboldt State University Arcata, CA

- Inventoried vegetation of temporary plots for the creation of a HSU Schatz Tree Farm Vegetation Map
- Utilized GPS (Trimble), clinometer, and laser range finder for the field measurements.
- Orienteered by hand compass, topographic and/or aerial photos to locate temporary plots over rugged terrain.

Field Crew Member

- Implemented fuel management plans and pre fire structure protection on the Schatz Tree Farm premises.
- Maintained and used tools and machinery including chain saws, pole saws 4-wheel drive vehicles.
- Drove ATV and 4-wheel drive on rugged backcountry roads.
- Removed hazard trees and executed and forest release treatments.

Salary: \$10.00 hr/ 40 hr wk

Contact: Molly Rings - 503-888-5555 (Contact) May 2006 - Aug 2006

Research Assistant - Schatz Tree Farm/Humboldt State University Arcata, CA

- Researched and developed protocol to measure poison-oak (*Toxicodendron diversilobum*) presence in relation to light abundance as a pilot study.
- Utilized GPS (Garmin), hand compass, and Solar Pathfinder.
- Completed final report using Microsoft Word and Excel to store, analyze, and present findings/ recommendations to Professor John Stuart.

Salary: \$10 hr/intermittent

Contact: Professor Carlos Montego 707-826-9999 (Contact) May 2006

Maintenance - Campus Center for Appropriate Technology/Humboldt State University Arcata, CA

- Maintained a range of technologies from solar panels to pedal powered blenders.
- Directed up to 5 volunteers per week to successfully accomplish projects.
- Creatively and efficiently solved equipment and technology problems with CCAT demonstration projects.

Salary: \$8.00 hr/5 hrs wk

Contact: Co - Director Thomas Gates 707-826-8888 Aug 2004 - Jan 2006

Research Assistant - Humboldt State University/ Whiskeytown NRA Arcata, CA

- Assisted Professors Carlos Montego, John Pulps, and Bob Smith in the creation and accuracy assessment of a comprehensive vegetation map of Whiskeytown NRA
- Navigated cross-country with use of GPS (Garmin), hand compass, topographic and satellite image interpretation
- Tabulated, maintained, and manipulated collected field data.

Salary: \$148 day/ 8 hr dy

Contact: Professor Carlos Montego 707-826-9999 (Contact) May 2004 - Aug 2004

Education

Bachelor of Science: Environmental Science Wilderness Conservation Minor Forestry
(In Progress)

Humboldt State University, Arcata, CA

- President: Student-Athlete Advisory Committee 2007
- Member: Campus Forest Restoration Task Force
- Member: HSU Naturalist Club
- Instructor: CCAT Wilderness Survival Shelters

Relevant Coursework

General Chemistry 109 (5) Introductory Biometrics (4) Calculus for Biological Sciences (3)
General Chemistry 110 (5) General Biology (4) Introduction to GIS Concepts (3)
Principles of Biology (4) General Oceanography (4) Conservation Biology (3)
Forest Ecology (3) Silviculture Restoration (1) Intermediate Statistics (3)
Plant Taxonomy (4) Forest Measurements (4) Forest Management (3)
Total Semester Hours of Relevant Coursework: 53

Certification

Defensive Driving Training - Certified by the State of California March 2006

Chain Saw Trained and Certified - Trained and Certified by Humboldt State Forestry Department May 2006

Red Cross CPR Certification - Expires June 14, 2008

Red Cross Standard First Aid Certification - Expires June 14, 2010

Red Cross Type 2 Firefight Certification - Expires June 12, 2008

- I-100, L-180, S-130, S-134, S-190, S-290

Interests and Expertise

Running: Team Captain of Humboldt State Cross Country and Track and Field teams. Three time qualifier DII National Championships. 2006 DII Track Stepplechase All-American (8th in the nation). **Higher than average level of fitness.**

Water Sport Expertise: Skilled boater and kayaker. Guide experience on class III Rivers. Comfortable around water while having a strong grasp of water safety. **Competent water sport experience.**

Cross Country Skiing: Two-season participant on Placer High School Cross Country Ski Team. Years of experience in cross country backcountry skiing in the Sierra Nevada Mountains. **Familiarity with snow environment.**

Backpacking: Avid backpacker. Experience in backcountry backpacking with map and compass. Multiple weeklong trips including the Lost Coast, Trinity Alps, and Mokelumme Wilderness in California. Ascended Mt. Shasta's 14,179 ft. summit in just under 4 hours. **Practiced backpacker.**

Photography: Lifelong photographer. Experience in diverse settings. Prints shown in San Francisco's Southern Exposure Gallery. **Experienced Photographer.**

Computer: Highly knowledgeable of Microsoft Windows operating systems and programs. Proficient in Word, Excel, ArcGIS, FEAT and Powerpoint. Self motivated fast learner. **Exceptional computer skills.**