**McMinnville, Oregon**

**541.961.3801 |** **Jennifer.Menkel@gmail.com**

JENNIFER MENKEL

**GIS Intern or Entry-Level Position**

**State of Oregon – Oregon Geospatial**

**Attn: Cy Smith**

Dear Mr. Smith,

I am interested in a GIS internship or entry level position in GIS and have completed WOU’s GIS Certificate program.

I am looking for opportunities to further my working knowledge of the GIS work environment in the environmental or biology related fields. I’ve included my resume to show my past work history, as you can see I have extensive experience in data management and sample inventory, and working within NOAA projects.

I’m a detail oriented person. I have spent my career supporting the efforts of lead PI’s; identifying anomalies, fixing, analyzing and displaying data. I can lead a team, but am just as comfortable taking direction. I am looking for an opportunity that I can grow from, one where I come out having synthesized what college has taught me with what occurs in the work environment.

Please feel free to pass my resume to any interested party and appreciate you doing so. I look forward to work with positive energetic people to gain skills and knowledge for my new career in GIS.

Thank you for your consideration.

 Jennifer Menkel

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JENNIFER MENKEL

**GIS TECHNICIAN**

**EDUCATION**

 **ArcGIS Certificate 2016**

 *Western Oregon University – Monmouth, Oregon*

 **ESRI ArcGIS Online - Spatial Analysis 2016**

 **ESRI ArcGIS Online - Building WebApps and GeoApps 2016**

 **ESRI ArcGIS Online - Python 2015**

 **Bachelor of Science – General Science 1992**

 *Oregon State University – Corvallis, Oregon*

**Python programing Current**

*Ed2Go online course*

**GIS COMPETENCIES & KEY SKILLS**

|  |  |  |
| --- | --- | --- |
| Collector App Development | Raster Manipulation  | Map Design |
| Python Basics | Data Classification | Tax Lot Data |
| Geocoding | Related Tables | City Addressing |
| Topology | Table Joins | Data Management & Error Checking |
| Network Analysis Tools | Buffering |  |

**RELATED CLASSES**

|  |  |  |
| --- | --- | --- |
| Simple Linear Regression | Community Structure Analysis | Map & Air Photography |
| Multiple Linear Regression | Spatial Analysis | Remote Sensing |
| Principles of Experimental Design | Cartography | Principles of Geology |
|  |  |  |

**ADDITIONAL PROFICIENCIES**

*My background includes research, assessment and analysis of zooplankton ecology and west coast fish species*

|  |  |  |
| --- | --- | --- |
| Sea Sampling Research | Data Analysis & Reporting | Word, Excel, PowerPoint, Access, Jump |
| Microscope Knowledge | Event Coordinator | Cooperative Research Projects |
| Trainer & Mentor | Statistical Calculations | Work Group Calibration |

 Utilized Various Microscopes: *Compound - Epifluorescence - Scanning Electron*

Maintained Detailed Scientific Records: *Database records – Graphical and statistical representations and presentations*

 Experience and Knowledge: S*cientific measurement and statistical calculations - Processing of collected samples according to protocols in a variety of settings*

Event Coordinator for NOAA Team: *Cruise planning; pre-cruise and during cruise - physical gear; totes of sampling gear (data sheets, jars, vials, bottles, labels, formalin, nets, etc.)*

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**PROFESSIONAL EXPERIENCE**

**GIS Internship - unpaid 2016**

*City of Salem – Salem, Oregon*

Developed a Collector App with related tables and collected data to update their downtown business directory using data management and error checking.

**Research Assistant - unpaid 3/2013 – 11/2014**

*Dr. Richard Feely and Dr. Nina Bednarsek NOAA-PMEL* | *Seattle, Washington*

I worked to determine the effects of ocean acidification on pteropods using a compound scope, epifluorescence microscopy and scanning electron microscope. I processed samples to be available for these processes; ie the multistep drying protocol for plasma etching and then gold plating before it can be viewed under the scanning electron microscope. I also processed two years of ocean collected zooplanktons samples for pteropods. I enumerated the different species within the samples and looked at distribution, life history, abundance of each species.

**Research Assistant – $3,500 5/2005 – 11/2012**

*Cooperative Institute for Marine Resources Studies* | *Newport, Oregon*

*Dr Bill Peterson NOAA-Fish Ecology*

Zooplankton ecology work, research on euphausiid species *Euphausia* p*acifica* and *Thysanoessa spinifera*, leading to talks and posters at International Scientific Meetings (PICES). I supervised and mentored Research Experience for Undergraduates (REU) interns. I was either the Chief Scientist or Team Lead for multiple at sea sampling cruises aboard many NOAA research vessels and OSU R/V Wecoma. I conduct CTD rosette cast and various net casts; ½ meter, Bongo, Tucker Trawls and MOCNESS collection system. I have spent from three weeks to three months each year out to sea from 2005-2011 as well as year around bi-weekly night trips on the OSU R/V Elakha.

Key Success:

I am an event coordinator and detailed oriented person. I was responsible for cruise gear available to us on our cruises. I brought everything from the raingear and sea sickness drugs for the interns to the fish totes full of sampling gear.

Sample collection: *Data sheets, jars, vials, bottles, labels, formalin, and nets. Responsible for the creation of a cruise planning spreadsheet that tracked our latitude and longitude distance and time to each station. I used this to keep us on track during cruises to maximize the number of stations we sampled as well as the number of night stations that were important for the euphausiid studies. I enumerated samples and did live animal studies while at sea using a compound microscope.*

**Ageing Specialist 4/1998 – 4/2005**

*Cooperative Ageing Project - Pacific States Marine Fisheries Commission* | *Newport, Oregon*

Lead ageing biologist on the ageing and the ageing requirements for West Coast groundfish stock assessments. Provided training for new age readers on all aspects of fish ageing, lab and data procedures. Production otolith ageing for assessments on a variety of west coast ground fish species. Multiple cooperative research projects and sea sampling trips for Northwest Fisheries Science Center and Oregon Department of Fish and Wildlife on fish trawlers, long liners, pot boats and sport boats. Spent from two to three weeks at sea each year 1998-2005.

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 **PAPERS, PRESENTATIONS AND POSTERS**

**Papers**

Bednaršek, N., Feely, R.A.,  J., Alin, **J. Menkel**, G. Waldbusser: Loss of resilience in pteropods along the California Current System, in review for *Science*

Bednaršek, N., Feely, R.A., Peterson, W., Reum, J., Alin, **J. Menkel**, S.R., Hales, B. 2014. Limacina helicina shell dissolution as an indicator of declining habitat suitability owing to ocean acidification in the California Current Ecosystem. *Proceedings to the Royal Society B*, 281, 1785.

Kevin R. Piner, Owen S. Hamel, **Jennifer L. Menkel**, John R. Wallace

Age Validation of Canary Rockfish (*Sebastes pinniger*) from off the Oregon Coast (USA) using the Bomb Radiocarbon Method *Canadian Journal of Fisheries and Aquatic Science*

S.E. Dominguez, **J.L. Menkel**, et al. The Effect of 2,4-Dinitrophenol on the Metabolic Rates of Bobwhite Quail

*Toxicology and Applied Pharmacology,* Volume 123, pg. 226-233

**Presentations**

Jennifer **Menkel**, William T. Peterson and Ramiro Riquelme-Bugueño
Krill physiological condition and growth in relation to changing environmental conditions in the Northern California Current, USA (2007-2010): Euphausia pacific and Thysanoessa spinifera, Pucón, Chile PICES 3/2011

Jennifer Menkel**,** W.T. Peterson, What is the true biomass of krill? *Euphausia pacifica* and *Thysanoessa spinifera* in the California Current: a comparison of sampling methods and data sets. Victoria, BC Canada PICES 10/2009

**Jennifer Menkel and William T. Peterson**
Status of Krill (Euphausia pacifica and Thysanoessa spinifera) in the northern California Current EEZ: A review of sampling methods and data sets, Daliän, People’s Republic of China PICES 11/2008

**Jennifer L. Menkel, William T. Peterson, Jesse F. Lamb, Julie E. Keister and T. O’Higgins**
Northern California Current (WA, OR, northern CA) hot spots of abundance for Euphausia pacifica andThysanoessa spinifera, Victoria, BC Canada PICES 10/2007

Jennifer L. Menkel, Break and Burn methodology and age validation techniques, *American Fisheries Society, 2005*

Jennifer L. Menkel, Kevin R. Piner, et al, Age Validation of Canary Rockfish Otoliths Using Bomb Radiocarbon Dating, Western Groundfish, 2004

Jennifer L. Menkel, Using Bomb Radiocarbon to Validate Ageing Methodology, Committee of Age Reading Experts, 2004

**Posters**

Jennifer Menkel**,** W.T. Peterson**,** Response of krill to climate change in the California current: Temporal and spatial variations in population “hotspots”. Sendai, Japan PICES 4/2010

Jennifer Menkel**,** W.T. Peterson**,** Temporal and spatial variation in the distribution of adult and juvenile *Euphausia pacifica* and *Thysanoessa spinifera* in the Northern California Current for the years 1998 through 2006. Canary Islands, Spain PICES 2009

Jennifer L. Menkel, Michael J. Schirripa, Bob Mikus, Identity Crisis (?): Determining the Level of Blackgill Rockfish Otolith Contamination in Darkblotched Rockfish Otolith Collections for years 2000, 2001, and 2002. Western Groundfish, 2004

# Academic Transcript Page 1 of 2



 Display Transcript V00335447 Jennifer L. Menkel

Nov 09, 2016 06:01 pm

 This is NOT an official transcript. Courses which are in progress may also be included on this transcript.

 Institution Credit Transcript Totals

***Transcript Data***

**STUDENT INFORMATION**

**Name :**

Jennifer L. Menkel

**Curriculum Information**

**Program:**

Undecided/Undeclared

**College:**

No College Designated

**Major:**

No Major Declared

\*\*\*This is NOT an Official Transcript\*\*\*

**INSTITUTION CREDIT**

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Top

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**Term: Fall 2015**

**Academic Standing:**

Good Academic Standing

**Subject**

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**Cumulative:**

Unofficial Transcript

**Term: Winter 2016**

**Academic Standing:**

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**Level**

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**Cumulative:**

Unofficial Transcript

**Term: Spring 2016**

**Academic Standing:**

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**Subject**

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**Level**

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**Cumulative:**

Unofficial Transcript

**Term: Summer 2016**

**Academic Standing:**

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**Subject**

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**Level**

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**Current Term:**

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**Cumulative:**

Unofficial Transcript

**TRANSCRIPT TOTALS (UNDERGRADUATE)** -Top-

 **Attempt Passed Earned GPA Quality GPA**

 **Hours Hours Hours Hours Points**

 **Total Institution:** 34.000 31.000 31.000 124.00

 **Total Transfer:** 0.000 0.000 0.000 0.00

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Unofficial Transcript

**RELEASE: 8.7.1**

Page 2 of 2

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