

# E. Jhanek Szypulski

## Objective

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To utilize my personal skills and professional training as a participant in my employer's goals.

## Profile

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Successful career in telecommunication field. Motivated, personable business professional accustomed to handling large projects for high profile customers/contracts. Diplomatic and conversant with professionals and non-professionals at all levels. Excellent team-building skills. Talent for mastering new technologies.

Flexible and versatile, thrives in deadline-driven environments while maintaining a sense of humor under pressure.

## Skills Summary

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|---------------------------------|------------------------|--------------------------|
| ◆ ArcGIS/AutoCAD/Python         | ◆ Research Design      | ◆ Innovative             |
| ◆ Imagine/Pathfinder/Vdatum     | ◆ Equipment Design     | ◆ Heavy Machinery        |
| ◆ Bathymetry Mapping            | ◆ Project Management   | ◆ SCUBA Certified        |
| ◆ Data Collection/Mgmt/Analysis | ◆ Database Management  | ◆ Detail/Goal Oriented   |
| ◆ Statistical Analysis          | ◆ Resource Management  | ◆ Physically Fit/Capable |
| ◆ Economic Analysis             | ◆ Personnel Management | ◆ Excellent Communicator |

## Education

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- CENTRAL WASHINGTON UNIVERSITY** – Ellensburg, WA.  
Cultural and Environmental Resource Management, Master's Candidate, 2018. GPA: 3.98
- MONTANA STATE UNIVERSITY** – Bozeman, MT.  
GIS/Planning - Bachelor of Science with Highest Honors, 2014. GPA: 3.92
- MIDDLETON HIGH SCHOOL** – Charleston, SC.  
Superior Scholars Diploma with Honors, 1999. GPA: 3.7

## Honors and Awards

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|---|-----------------------------|
| ◆ Dean's List/President's List                              | All schools, every semester |
| ◆ Alpha Lambda Delta Honors Society                         | Inducted Spring, 2012       |
| ◆ Dr. C. C. Bradley Scholarship for Excellence in Geography | Spring, 2014                |
| ◆ Waymon-Ware Memorial Scholarship                          | Winter and Spring, 2018     |
| ◆ Gamma Theta Upsilon Geographical Honors Society           | Inducted Spring, 2018       |
| ◆ Braden-Dodd Memorial Graduate Fellowship                  | Spring, 2018                |

## Projects and Internships

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- Yellowstone Park Foundation Internship** – Developed interactive map (ypf.org) of YPF projects with pop-up synopses and links to Google Earth. Instructed staff on updating old, and adding new projects into code, 2014.
- The Nature Conservancy Internship** – GIS analysis prioritizing property purchase for easement establishment based on likelihood of extractive resource development potential in the Rocky Mountain Front, Montana, 2014.
- Soil Sampling Site Selection Project** – Completed a series of thirteen maps from specifications by John Sudgen for his Master's thesis on climosequencing soil genesis in the Bridger Mountain Range, Montana, 2013.
- Red Bluff Fire Mapping Project** – Conducted for ongoing soil studies by Dr. Clayton Marlow of MSU. Acted as team lead, responsible for mapping perimeter and all points of interest in the survey of an extensive burn area on the Madison River, Montana, 2012.

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## Field/Lab Work

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**Master's Thesis** – Ecological Impacts of Overwater Structures on Subtidal Kelp, Northern Puget Sound, Washington. CERM, CWU, 2016-2018.

**Coastal Fort Study** – Data sourcing and GIS analysis of original siting decisions for coastal forts in Puget Sound for Dr. Anthony Gabriel, CWU, 2017-2018.

**Yakima River Disconnected Side Channel Study** – Assisted Cristopher Morton, CERM, CWU, in water quality testing, installing piezometers, and conducting stream profiles, 2016-2018.

**Research Assistant, CWU** – Utilized Python scripting and batch processing to automate many processes for adding new areas to Dr. Sterling Quinn's OpenStreetMap Crowd Lens project, 2017.  
View project at <http://sterlingquinn.net/apps/crowdlens/>

**Soils Laboratory Technician** – Analyzed soil type, texture, structure, densities, and pore space at MSU, 2014.

## Teaching Experience

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**GIS Tutoring** – Having obtained a GPA of 4.0 for all GIS courses, I was recruited by Dr. Stuart Challender, MSU, to tutor 200 and 300 level GIS students. All students achieved academic success in their GIS courses. 2013-2014.

**Teaching Assistant, MSU** – Intro Geography Course, 2014. **TA, CWU** – GIS Course levels 1 and 2, 2016-2017.

**Substitute Lecturer, CWU** – for courses: Introduction to Maps and Cartography, Intermediate GIS, and GIS Programming and Automation. 2016-2018.

## Work Experience

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**Telecommunications** – Bid and performed complete low-voltage installs for Hilton Hotels in the Southeast USA through Bennet-Hofford Construction. Managed the low-voltage install of Bozeman Homewood Suites in 2010.

**Fiber Optic Cabling** – Lead Technician for cable refit on two Naval Destroyers sold to Taiwan in 2005 at the Charleston, SC, Shipyard. Installed several miles of shielded fiber optic cable.

**Heavy Equipment** – Operator experience with ditch diggers, lifts, booms, excavators, and various large trucks.

**Construction** – Renovation and new construction including commercial and residential framing, carpentry, plumbing, tile, and historical restorations. Designed and installed custom concrete counters, floors, bar-tops, tables, sinks, vanities, planters, benches, and board-formed walls.

**Personnel Management** – Managed all hiring, training, scheduling and performance review for Peterson Communications for six years.

**Human Interaction/Behavioral Management** – Bartender, Security, and Trivia Host.

**Research Tools Design** – Designed equipment for kelp research including a lasso biomass sampler and a floating rapid-survey platform for potential Hydraulic Project Approval sites.

## Employment History

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CENTRAL WASHINGTON UNIVERSITY – Ellensburg, WA Graduate Teaching and Research Assistant	September 2016 – Present
CHARTER CONSTRUCTION – Yellowstone Club, MT Board-form Concrete Specialist	March 2016 – September 2016
FLUID FORM CONCRETE DESIGN – Brevard, NC Designer/Installer	February 2015 – March 2016
THE MOLLY BROWN – Bozeman, MT Bartender/Security/Trivia Host	December 2015 – December 2014
PETERSON COMMUNICATIONS – Charleston, SC Manager/Lead Install Technician	June 2005 – December 2010

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## Volunteer Work

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**Bozeman Bike Kitchen** – Served on 501(c)(3) steering committee. Performed and taught bicycle repair to at-risk youth for distribution to low-income families and social relief programs in Bozeman, MT. Designed pamphlet for publicity/information campaign. 2010-2014.

**CWU Bike Nights** – Organized bike repair and donation program through the Cultural and Environmental Resource Management Association, CWU, for the Ellensburg Community Christmas Basket Program. Set up and ran bike repair table at Ellensburg's Hope Source Spring Fair. 2016-2018.

**Student Senate** – Served as student senator for the Cultural and Environmental Resource Management Association, CWU, Ellensburg, WA. 2016-2018.

## Coursework

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Intro to GIS and Cartography, Advanced GIS and Spatial Analysis, Applied GIS and Spatial Analysis, Intermediate Statistics, Methods of Data Analysis, Instruction in Geography, Remote Sensing, Soils, Natural Resource Law, Environmental Economics, Resource Analysis, Issues and Conflict in Natural Resource Management, GPS Fundamentals and Applications in Mapping, AutoCAD, Watershed Hydrology, Advanced Geographic Planning, Weather and Climate, Geographic Thought, Technical Writing, and Web Design.

## Hobbies and Interests

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I have traveled extensively worldwide. I am an avid outdoor enthusiast enjoying rock climbing, snowboarding, hiking, camping, fishing, archery, firearms, motorcycle touring, kayaking, and biking for recreation and as my preferred transportation. I am human to Harrison, a Merlequin Great Dane. I am a voracious reader, hobbyist guitar player, novice Marlinspike artist, and aspiring billiards champion.

**Expanded resume available upon request. More information available at [Jhanek.com](http://Jhanek.com)**