# Alex J. Smith

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## EDUCATION

**Masters of Science :** Cartography and GIS [currently enrolled]
**Concentration :** GIS Web Development
**University of Madison-Wisconsin** , online

**Bachelor of Science:** Geographic Science [graduated May 2013]
**Concentration**: Sustainable Development and Environmental Conservation
**James Madison University**, Harrisonburg, Virginia
**GPA**: 3.3

## EXPERIENCE

**GIS Technician, Apple Inc via Apex Systems, Austin, TX, May 2017 – Present**

Analyze, validate, and enhance existing content while assembling new content for consumer applications.

**Protected Lands Database GIS Intern, Forterra, WA- January 2016 – August 2016**

Mining tax parcel records and then reviewing city, state, and federal agency data on public lands. Comparing inputs from multiple sources to identify, document, and integrate newly acquired lands into a geodatabase since previous PLDB update. Process involves acquiring spatial data, editing features, spatial and tabular queries, and integrating the data. Other responsibility included creating cartographic maps to assist other departments within Forterra.

**Natural Resource and GIS Technician, U.S. Navy, Bangor-Kitsap, WA- March 2015 - October 2015**

Working with wildlife biologists and engineers to produce map products, and documents that support federal and state compliance for the Navy. Responsibilities include managing spatial data, creating maps, providing technical support for field-work, and collaborating with biologists and engineers to fulfill project requirements.

**Image Quality Assurance Analyst, EagleView Technologies, Bothell, WA - September 2014- January 2015**

Analyzed and solved quality issues with aerial data for clientele. Used a variety of geospatial and mapping programs such as QGIS, ArcMap, and in-house proprietary software.

**Community Crew Leader, Student Conservation Association; Seattle, WA- June 2014-August 2014**

Worked as supervisor, mentor, and educator for 10 local Seattle youth. Completed conservation projects including: habitat restoration, invasive species removal, trail maintenance, and education modules.  Served as liaison between SCA and partners including: City of Seattle, King County, and the U.S. Forest Service.

**Wilderness Ranger Corps, Student Conservation Association; Glacier, WA- June 2013- Sept. 2013**

Worked as part of a small team gathering and maintaining field and GPS data in Wilderness areas of the North Cascades.  Data used for map creation and future recreational management strategies.

**United States Forest Service and JMU, Data Collection and GIS Technician; Harrisonburg, VA June 2012-June 2013**

Collected data in field to create a variety of maps to display recreational usage trends in Wilderness areas over a 30 year period.  Assisted in future land management and land conservation plans based off findings.

## TECHNICAL SKILLS

**Programs and Languages:** ESRI ArcGIS , SQL, Microsoft Office Suite, QGIS, Python and AutoCad.