

Audrey Jo

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SUMMARY

A GIS programmer who blends academic training in geography and web development with work experience in automating geoprocessing tasks using Python to offer solid skills in geospatial analyses, automation, and front-end web development.

Work authorization – authorized to work in the US for any employer

TECHNICAL SKILLS

2 years of work experience: ArcGIS, Python, ENVI, Erdas Imagine, geospatial analysis, remote sensing, classification

WORK EXPERIENCE

Graduate research assistant – Long Beach, CA Jan. 2014 – Oct. 2015

- Creating geoprocessing task automation scripts using Python
- Creating and analyzing maps using datasets with different spatial and temporal resolutions
- Presenting at the Association of American Geographers Annual Meeting for 2015

Cartographic research assistant – Chapel Hill, NC Aug., 2013 – Dec., 2013

- Writing Python script to join csv files to an attribute table for a shapefile

GIS research intern – Long Beach, CA Jun., 2013

- Classifying vegetation using object-based image analysis method (eCognition)
- Building 3D model of study area using quadcopter photos (PhotoScan)

Front-end development volunteer – Sunnyvale, CA Jul., 2016 – Present

- Updating web page content or create new web pages using HTML and CSS

Python mentor volunteer – Saratoga, CA Jul., 2016 – Present

- Helping elementary school students with their Python projects

EDUCATION

Front-end development certificate – Free Code Camp Jun., 2016 - Present

- Creating a tribute page and a portfolio site using HTML and CSS in CodePen

Master of Arts in Geography – California State University, Long Beach Jan., 2014 – Jan., 2016

- Introductory course in Java

Bachelor of Arts in Geography – University of North Carolina, Chapel Hill Aug., 2010 – Dec., 2013

- Introductory courses in Python, VB.NET, and Matlab

PUBLICATION

Laris, P., Caillault, S., Dadashi, S., and Jo, A. (2015) The Human Ecology and Geography of Burning in an Unstable Savanna Environment. *Journal of Ethnobiology*, 35 (1): 111–139.