

# Connor Stephens

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## EXPERTISE

- Remote Sensing
- Forest Silviculture and Management
- GIS and Spatial Analysis
- Spatial Statistics
- Project Management

## TECHNICAL SKILLS

- ArcGIS Pro
- TerrSet (Idrisi)
- QGIS
- Google Earth Engine
- JavaScript, Python, R
- Database Management
- SPSS

## RELATED COURSEWORK

- Advanced Remote Sensing
- Forest Silviculture and Management
- Intermediate Spatial Statistics
- Python Programming
- Computer Programming for GIS
- Advanced Vector GIS
- Advanced Raster Analysis

## LANGUAGE SKILLS

- English, native
- Spanish, basic comprehension

## ADDITIONAL EXPERIENCE

- Fellow, UC Office of the President's Carbon Neutrality Initiative
- Investigative Journalist, 88.1 KZSC Santa Cruz
- Eagle Scout, 2012

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## EDUCATION:

### Master of Science in Geographic Information Science, Clark University

Awarded May 2019 // GPA 4.11

### Bachelor of Science in Forestry, The University of California, Berkeley

Awarded Spring 2016 // GPA 3.52

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## PROFESSIONAL AND INTERNSHIP EXPERIENCE

### Graduate Research Assistant, University of Wisconsin-Madison

3/1/2020 – Present Madison, W.I.

*Spatial Analysis For Conservation and Sustainability (SILVIS) Lab*

- Researches time-series analysis methodologies that control for spatio-temporal autocorrelation in geographic datasets. Applies these methodologies to evaluate trends observed in terrestrial, oceanic, and extraterrestrial environments.

### Natural Resource Remote Sensing Analyst, Mason, Bruce & Girard Inc.

7/2019 – 2/15/2020 San Ramon, C.A.

*Division of Enhanced Vegetation Management, Pacific Gas and Electric Co.*

- Assists with processing LiDAR-derived vegetation features, develops project related tools in Python and Google Earth Engine Environments, and conducts project-related statistical analyses.

### Teaching Assistant, Clark University

8/2018 – 5/2019 Worcester, M.A.

*Department of International Development, Community, and Environment*

- Administers laboratory sessions for courses in Advanced Remote Sensing and Introductory GIS. Assists professor with instruction of course content. Handles grading of laboratory assignments and assists students with content-related questions.

### GIS Technician, University of California, Berkeley

9/2016 – 8/2018 Berkeley, C.A.

*Land Use and Land Change Lab*

- Managed 25 undergraduate students participating in research on the environmental impacts of cannabis cultivation in California, provided primary investigator with routine progress reports, compiled and analyzed data produced during project.

### Environmental Policy Intern, Society of American Foresters

6/2016 – 8/2016 Washington, D.C.

*Government Affairs and External Relations Team*

- Researched and composed daily reports on natural resource policy news and litigation, composed policy briefs on relevant litigation, attended and reported on relevant senate oversight panel hearings, and wrote articles for SAF's publication *Issues and Advocacy*.

### Forestry Field Technician, University of California Center for Forestry

5/2015 – 8/2015 Georgetown, C.A.

*Blodgett Forest Research Station*

- While working as a field technician for the U.C. Center for Forestry, my duties included: conducting stand inventory, timber marking, biological specimens' collection, hand felling, collection of scientific data for ongoing research, and herbicide application.

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## SELECTED PUBLICATIONS

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### **First Author**

- Stephens, C. W., Collins, B., and J. Rogan. 2020. Land ownership impacts post-wildfire forest regeneration in Sierra Nevada mixed-conifer forests. *Forest Ecology and Management*. In Press.
- Stephens, C. W., and R. York. 2017. An Evaluation of Stand Age as a Factor of Mastication Efficiency and Effectiveness in the Central Sierra Nevada, California. *Northwest Science*. [91\(4\):389-398.](#)

### **Contributing Author**

- Butsic, V., Carah, J., Baumann, M., Stephens, C., and J. Brenner. 2018. The emergence of cannabis agriculture frontiers as environmental threats. *Environmental Research Letters*. <http://iopscience.iop.org/article/10.1088/1748-9326/aaeade/meta>.
- Starrs, C., Butsic, V., Stephens, C.W., and W. Stewart. 2017. The impact of land ownership, firefighting, and reserve status on fire probability in California. *Environmental Research Letters*. <http://iopscience.iop.org/article/10.1088/1748-9326/aaaad1/meta>.

### **Acknowledgements**

- Coyle, A. H., Berrian, A. M., Rooyen, J. V., and B. Bagnol. Gender roles and one health risk factors at the human-livestock-wildlife interface, Mpumalanga province, South Africa. 2020. *EcoHealth*. <https://doi.org/10.1007/s10393-020-01478-9>.