

Julie K. Stringham

EDUCATION

Bachelor of Science in Geography (*Cum Laude*, Departmental Honors) | University of Oregon, 2016

- Graduated with a bachelor's in geography with a focus in geographic information science, and minors in computer science, and environmental studies
- Overall GPA: 3.69, Major GPA: 3.92
- Dean's List Fall 2012, Fall 2013, and Winter 2015

WORK EXPERIENCE

GIS Intern

December 2016 – present

Department of Urban Forestry, City of Eugene

- Analyzes recent and historical aerial imagery of Eugene's 14 neighborhood associations to estimate variations in permeable and impermeable surface, and

Student GIS Technician

May 2015 – present

Campus GIS and Mapping Program, Emergency and Risk Services, University of Oregon

- Independently designs and implements geospatial web applications and web-based interactive data visualization displaying live traffic sensor data.
- Utilizes ArcGIS software to digitize and maintain the University of Oregon's spatial database through data entry, digitization, and collecting data in the field
- Collaborates with professionals around campus, and the greater Eugene community to create cartographic products for professional and public consumption.

Research Assistant

June 2015 – June 2016

Spatial Computation, Cognition and Complexity Lab, Department of Geography, University of Oregon

- Administered psychometric tests to participants to measure the decision-making processes of pedestrians in urban environments and maintained detailed, critical reports of test results.
- Aided in the design and implementation of a sophisticated spatial model simulating pedestrian movement in urban spaces using NetLogo's spatial modeling platform.
- Read, edited, and maintained detailed notes of three 40-page academic articles from the resulting dissertation, offering suggestions for alternative methods of organization, and general suggestions for improvement.

Office Assistant

January 2015 – September 2015

Center for Student Involvement, University of Oregon

- Communicated with professionals via phone and email to coordinate meetings with staff, and student event coordinators.
- Collaborated with students and professionals to market student-coordinated concerts and events to the campus community and general public, through social media, public speaking, and poster delivery.
- Made extensive use of Microsoft Excel to convert a three-decade old event archive to a presentable spreadsheet.

Teaching Assistant

September 2014 – December 2014

Department of Computer and Information Science, University of Oregon

- Attended weekly office hours to aid students in completing programming assignments, studying for exams, and clarifying test and homework corrections.
- Taught students the basics of code organization, debugging, testing and optimizing simple computer programs in Python.

SKILL HIGHLIGHTS

- ArcGIS software
- Adobe Illustrator and Photoshop
- Aerial photography digitization and interpretation
- Data visualization and cartographic production
- Spatial model design and interpretation
- Proficient computer programmer (fluent in Python, Java, Javascript/HTML/CSS)
- Proficient technical writer